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Inc. C1-3

TECHNICAL MANUAL

DIRECT SUPPORT, GENERAL SUPPPORT, AND DEPOT MAINTENANCE MANUAL

Including Repair Parts and Special Tools List

CAMERA, STILL PICTURE
KA-60C

This copy is a reprint which includes current pages from Changes 1 through 3.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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OCTOBER 1970

WARNING

HIGH VOLTAGE

is used
in this equipment

DEATH ON CONTACT

may result if safety precautions
are not observed

DO NOT TAKE CHANCES!

TECHNICAL MANUAL
No. 11-6720-242-35

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., *30 October 1970*

DS, GS, and Depot Maintenance Manual
Including Repair Parts and Special Tools Lists
CAMERA, STILL PICTURE KA-60C

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CHAPTER 1

INTRODUCTION

1-1. Scope

a. This manual covers direct support, general support and depot maintenance for Camera, Still Picture KA-60C (camera). It includes instructions for direct support, general support, and depot maintenance personnel for testing, troubleshooting, repairing, and aligning the equipment, replacing maintenance parts, and replacing specified maintenance parts. Block and schematic diagrams are located throughout the manual to support the instructions. Lists of tools, materials, and test equipment for direct support, general support, and depot maintenance are included. Detailed functions of the equipment and circuit analysis are covered.

b. The complete technical manual for this equipment includes TM 11-6720-242-12.

c. Repair Parts and Special Tools List (app B) is current as of 5 April 1973.

1-2. Indexes of Publications

a. DA Pam 310-4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. DA Pam 310-7. Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Command, US Army Electronics Command, ATTN: AMSEL-MA-S, Fort Monmouth, NJ 07703.

NOTE

For applicable forms and records, see paragraph 1-3, TM 11-6720-242-12.

CHAPTER 2

FUNCTIONING

2-1. Functioning of Camera
(fig. 6-10)

a. General. The function of the camera is to take panoramic, reconnaissance photographs from high speed, low flying aircraft. The camera may be mounted in an aircraft with the lens positioned to face either vertically downward or in a forward oblique direction at a 20-degree angle of depression. In either mounting, the ground beneath the aircraft is photographed sequentially from horizon to horizon, with a 60-percent overlap. Image motion compensation (imc) is provided to offset the blurring effects of the aircraft flight. Correct film exposure is maintained by an automatic exposure control (aec) circuit. The operational modes are autocycle and pulse. The changeover to either mode of operation is determined by an E V/H voltage (the ratio of ground speed (V) and altitude (H) to voltage (E)) generated by the aircraft equipment.

b. Major Photographic Components (fig. 2-14). The optical system includes the following components:

(1) A 3 inch, 75mm, f/2.8 lens assembly.

(2) A double-dove prism which rotates in front of the lens on an axis parallel to the direction of flight.

(3) A focal plate having an exposure slit which is automatically adjusted via the shutter blade, to vary the slit width.

(4) A variable aperture which operates in association with the shutter blade.

(5) An automatic exposure control (aec). (A servo system which positions the shutter blade and the aperture.)

(6) Image motion compensation (imc). (A device which moves the lens back and forth parallel to the exposure slit. The action is limited to vertically mounted cameras and to the autocycle mode of operation).

c. Camera Operation. The autocycle or pulse mode of operation is determined by an E V/H signal voltage which is generated by the aircraft equipment. Optical scan rates are derived from this signal as the cycling rate must be proportional to the height above the terrain to photograph the entire line of flight with a 60-percent overlap. In autocycle mode the cycling rates start above 1 cycle per second and are continuously variable to 8.5 cycles per second. In the pulse mode the camera operates 1 cycle every 4.5 seconds up to 1 cycle per second above which it automatically switches into the autocycle mode.

d. Photography (fig. 2-14). Pictures are taken by rotating the double-dove prism in front of the lens and by simultaneously advancing the film past the slit (shutter) in the focal plate. The film advance and the prism rotation are synchronized to paint the image on the film as the prism scans a 90-degree angle from horizon to horizon.

(1) The mirror effect of the prism's double-dove is an angular displacement which produces an optical scan angle of 180 degrees. Before starting a 90-degree photographic scan the prism rotates through a 45-degree acceleration angle. Following the 90-degree photographic scan the prism then rotates through a 45-degree deceleration angle. In one cycle the prism and a lift cam both rotate 180 degrees.

(2) A continuously rotating rubber covered cylinder (puck) advances the film past the slit in the focal plate coordinately with the 90-degree scan angle of the prism by the operation of a pressure roller which is actuated by the lift cam which is rotating in synchronism with the prism. Immediately following the 45-degree acceleration rotation of the prism, the pressure roller is made to press the film into frictional contact with the puck by the lift cam. Upon completion of the 90-degree scan angle of the prism, the pressure roller is no longer actuated by the lift cam and film advance ceases. Film velocity at the focal plate is 19 inches per second at 1 cycle per second. The velocity is a product of scan rate and focal length. Photography is continuous until the end of film is reached, the film breaks, or the equipment is turned off. However, single pictures may be taken between pulses with the OPERATE switch set to OFF, if the camera is oper-

ating in the pulse mode and the POWER switch is set to ON. Shutter speeds from 1/100 to 1/8500 per second are a function of the velocity of film advance and the width of the exposure slit.

e. E V/H Ratio Range. The cycling rate for a camera mounted in the forward-oblique position is scaled by a factor of 3.5:1. relative to the vertical cycling rate for a given E V/H signal. The factor is derived from the 20-percent angle of the principal ray and format overlap of 60 percent. The total E V/H range is 0.04 to 1.5 knots per foot. Operation in the autocycle mode is from 0.177 to 1.5 knots per foot. For a 60-percent overlap below an E V/H range of 0.177 knots per foot, the camera automatically switches to the pulse mode.

f. Resolving Power. Line weighted average resolution (LWAR) is not less than 45 lines per millimeter when tested with Aerecon Plus X film and using a standard Air Force contrast test target in accordance with MIL-STD-150. Resolution (dynamic) is 22 lines per millimeter on axis coverage throughout the format and with a cycling rate of 2 cycles per second at a 1/2000th second exposure.

g. Block Diagram Discussion.

(1) As shown on the overall block diagram (fig. 6-10), the scan drive control consists of the scan motor, feedback tachometer with network, amplifiers, scan control relay and a gear train which drives the body and magazine mechanisms (fig. 2-6). The purpose of the scan drive is to operate the drive mechanism in order to photograph at continuously variable rates from one picture per second to eight and one-half pictures per second. The cycling rate is controlled by a V/H input signal which is selected by the V/H SEL switch scaled by the CAMERA SEL switch through the V/H inhibiting and scaling amplifier and controlled by the mode and operate relays before being applied to the scan drive amplifier. This command signal controls the output of the scan drive amplifier and thereby the speed of the scan motor. The command signal is compared to the tachometer signal to determine whether acceleration or deceleration of the scan motor is required. If deceleration is required the dynamic braking circuit closes the loop causing the braking current to flow through the armature of the scan motor until the required speed of the system is attained. The output of the scan drive amplifier passes through the scan control relay, which is controlled by the operate relay through a relay driver, thence through the servo amplifier, the output power drive and to the scan motor.

(2) The camera is capable of operating in two modes, autocycle and pulse. In the autocycle mode, the camera operates at various cycling rates over one cycle per second. When the V/H ratio drops below one cycle per second the crossover network automatically switches the camera to the pulse mode through the mode relay. In the pulse mode, the proper pulse rate is generated by the intervalometer network which automatically cycles the camera at the fractional rates corresponding to the V/H signal. This is accomplished by adding a fixed signal (2 cps rate) to the scan drive amplifier and controlling the pulse rate to the scan control relay. The intervalometer pulse, through the relay driver, energizes the coil of the scan control relay to start the picture scan and the puck switch deenergizes the coil through the relay driver to complete the picture scan. Every time an exposure is made, the puck switch is closed and a ground signal is momentarily applied to the scan control relay and the puck switch driver network. In turn the driver network operates the FRAMES REMAINING and OPERATE indicators and provides the annotation signal to the pulse transformer network. The transformer network provides the high/low pulse to the external airborne data annotation system. The EXTRA PICTURE switch will cause the camera to expose a single frame during the pulse mode by applying an independent pulse to the relay driver each time the switch is depressed.

(3) Image motion compensation (imc) is incorporated into the camera so that the lens is moved along the line of flight during exposure. IMC is used only in the vertical position and only in the autocycle mode. Switching through the CAMERA SEL switch, mode relay, and operate relay provides the required signal to the solenoid driver which energizes the IMC clutch solenoid thus causing the imc mechanism to function.

(4) The automatic exposure control (aec) assures that a constant level of exposure is maintained over a broad range of picture taking conditions. The variables affecting exposure are terrain brightness, camera cycling rate, and film speed (aei). The camera controls the level of exposure by varying the width of the slit, through which the object is photographed, and by controlling the opening of the diaphragm. Thus the slit width and the diaphragm opening are combined to produce a total effective opening. The feedback potentiometer, coupled to the aec mechanism, is driven proportionately to this effective opening. A voltage proportional to the

scan rate is applied to the log amplifier and the photocell amplifier from the bias network which receives its V/H signal from the operate relay. The output of the photocell is applied to the differential amplifier simultaneously with outputs from the log amplifier, photocell amplifier, and the aei networks. The photocell is a photosensitive resistor and is arranged in a voltage divider network where its resistance varies in inverse proportion to the terrain brightness. The output from the photocell and its associated networks are compared with the voltage from the aec feedback potentiometer. The difference or error voltage is amplified and converted to an ac signal which is applied to the aec servo amplifier. The servo amplifier drives the aec motor which through a gear train reduction drives the arm of the feedback potentiometer until the error is nulled and the proper slit width and diaphragm opening combination is attained. Therefore, in taking a photograph, the exposure level is directly proportional to the light level of the object, the length of time that the object is imaged on the film and the speed of the film (aei).

(5) The power flow for the system is controlled by the POWER switch. In the ON position the switch permits the live power to flow through the circuit breakers to the power supply and voltage regulator. The POWER lamp is illuminated when the POWER switch is ON and power is present.

(6) The OPERATE switch initiates the functional operation of the system by energizing the coil of the operate relay. A delay circuit is used in conjunction with the operate relay in order to provide a delayed turn-off to the scan drive circuit. The OPERATE lamp flashes once during each picture cycle or will light continuously to indicate that the film supply has been exhausted.

(7) The end of film switch is placed in the film path and is controlled by the film pressure mechanism. Hence, if the film runs out or breaks, the end of film switch opens and the +22 volt regulated control voltage to the scan control relay is removed causing the scan motor to stop. When the end of film switch is open, the control voltage (+22 vdc) is fed back to the OPERATE lamp to indicate the end of film supply or film breakage.

(8) The recording head assembly (rha), housed in the camera, receives its coded information from the aircraft. This information is then applied photographically to the film.

(9) All of the incoming voltages and signals to the camera pass through the EMI filter.

2-2. Functioning of Body

(fig. 6-11)

The body contains all the optical components (para 2-6) of the camera and the mechanisms by which the film transport and exposure (para 2-7), image motion compensation (para 2-8), and drive mechanisms (para 2-9) are made to function. In addition, the body houses a lens and mirror assembly and a recording head assembly (fig. 2-13) by which coded information is photographically recorded on the film as part of the aircraft's auxiliary data annotation system (adas).

a. The optical components include a 3 inch f/2.8 lens assembly. The lens is installed below a focal plate having a variable slit (shutter). A double-dove prism driven by the scan motor (fig. 2-6) rotates in front of the lens on an axis parallel to both the slit and the line of flight (fig. 2-14). Refer to paragraph 2-6 for a functional description of the optics system.

b. The adjustable components of the automatic exposure control system (aec) are an aperture assembly and the moveable section of the slit in the focal plate. The motor in the servo system adjusts the width of the slit, the opening of the aperture, and the positioning of a feedback potentiometer. The electronic circuits include a photocell assembly that is mounted adjacent to the prism. The balance of the electronic parts are mounted on the aec assembly, which is installed in the camera control. Refer to paragraph 2-7 for a functional description of automatic exposure control operation.

c. The scan drive system consists of a dc drive motor, a dc tachometer-generator with a tachometer card assembly (fig. 6-11) and the drive mechanism which drives the prism, the image motion compensation (imc) mechanism, the puck and sprockets of the film transporting system, and the operation of the puck switch (fig. 2-6). The parts comprising the electrical circuits are board mounted and installed in the camera control. Refer to paragraph 2-10 for a functional description of the scan drive circuit.

d. The imc mechanism is a shaft assembly which includes a cam, drag brake, coupling, and spur gear. It is positioned below the lens carriage and mounted with the cam inserted into a cam follower on the carriage. The coupling and the rotating spur gear are brought into engagement by a solenoid and lever device. Refer to paragraph 2–8 for a functional description of imc operation.

e. The puck, a rubber covered rotating disk, driven continuously by the scan motor, transports the film one frame in each scan cycle. The action of the pressure roller against or away from the continuously rotating puck causes the film, which is sandwiched between the two, to advance or stop (fig. 2–14).

f. The puck switch (a pressure sensitive switch), which actuates the scan control relay K1, the frames remaining counter circuit, and the flashing of the OPERATE indicator is opened and closed by the timing cam once in each camera cycle, in synchronism with the rotation of the prism and transport of the film (para 2–3*a*).

g. The lens and mirror assembly of the auxiliary data annotation system (adas) is so mounted that it projects the coded data from the recording head assembly (rha) through an opening in the focal plane plate and onto the film, where it is photographically recorded (fig. 2–13).

h. The two electrical connectors, 1J1 and 1J2 accommodate the connectors of cables W3 and W4, respectively. The adas is connected to the body through connector 1J2. Connector 1J1 accommodates cable W3 which terminates in connector 2J1 of the camera control.

2–3. Functioning of Magazine

(fig. 2–6)

The magazine contains separate light-proof compartments for the film supply and takeup spools. Latched light-proof covers provide access to each compartment. Access to the mechanism that advances the film is made by removing the magazine from the body.

a. Film from the supply spool (52) is advanced intermittently in frame lengths across the slit in the camera's focal plate by the action of a cam operated pressure roller (35) which brings the film into contact with a continuously rotating rubber covered puck (31) located in the body. The film advance and the cam (lift cam) (28) rotation are synchronous with the rotation of the prism (22). The lobes of the lift cam are designed so that the pressure roller is prevented from coming into engagement with the film until the first 45 degrees of prism rotation has been completed. At this time, the pressure roller is brought into position where it applies pressure on the film, which is sandwiched between the pressure roller and the puck. Film is now advanced at a rate which is synchronous with the optical scan rate and continues for that interval in which the prism rotates through its 90-degree scan angle. Upon completion of the 90-degree scan, the lift cam returns the pressure roller to its original position and film advance ceases. The cam follower (36) rides on the lobe of the lift cam for another 45 degrees while the film advance is stopped. An adjustment screw (55) on the pressure roller assembly pushes against and causes one end of a pivoted rocker arm (37) to move upward. The other end of the rocker arm moves downward and pushes the adas pressure plate (38) against the momentarily stopped film, at which time the coded information from the rha is exposed on the film.

b. The takeup spool (51) and the takeup sprockets (41) and supply sprockets (42) are driven from the scan motor (1) through a gear and belt train (para 2–9*b*) in the magazine. When the magazine is installed on the body, the train is coupled to the scan drive by the missing of the magazine input gear (13) with the linkage gear (12) in the body.

c. A clutch (48) on the takeup keyed shaft and a brake (49) on the supply keyed shaft plus the takeup (56) and supply (57) keeper rollers insure a tight film wrap in the takeup spool. The driven sprockets (41 and 42) make film travel uniform by engaging the perforations of the film.

2–4. Functioning of Camera Control

a. The camera control (fig. 3–8) serves primarily as the housing unit for the various electronic circuits which generate and control signal and power voltages throughout the camera. A printed circuit interconnecting board (fig. 6–18) provides the mating connectors for the plug-in aec board (fig. 6–15), control board (fig. 6–14), and the scan drive board (fig. 6–16). A series of resistors, R1 through R7, mounted on the interconnecting board provide for the appropriate exposure index (aei) of various types of films and are selected as follows:

AEI of film	*Connector J8*	*to*	*Connector J8*
20	pin 8		pin 13
40	pin 8		pin 12
60	pin 8		pin 11
80	pin 8		pin 10
100	pin 8		pin M
125	pin 8		pin K
200	pin 8		pin S

b. The heat sink assembly, located at the top of the camera control, provides the voltage for the operation of the scan motor B1 (fig. 6-16). The power supply, located at the bottom of the camera control, provides various voltages used throughout the camera (para 2-16*a*). The circuit breakers CB1 and CB2, located on the front panel of the camera control, protect the dc (CB1, 1 1/2 amp.) and ac (CB2, 3 amp.) inputs to the camera.

c. Three electrical connectors on the front panel of the camera control provide cable connections to the body (2J1), control panel (2J2), and the test set (2J3).

2-5. Functioning of Control Panel

The control panel is a separate mounted assembly which contains the controls and indicators of the camera system. The control signals, generated in the control panel, are the power signal, operate signal, extra picture signal, and the various V/H and mode signals. The visual indicators on the edge-lighted panel are used to functionally monitor the operation of the camera system. The external indicators and their functions are as follows:

a. POWER Switch. The Power switch supplies incoming power to the camera system, placing the camera in a ready mode.

b. V/H SEL Switch. The V/H SEL switch selects the v/h input for the camera system from the manual v/h or from an automatic v/h command signal.

c. OPERATE Switch. The OPERATE switch controls the camera system. It completes the scan drive circuit and initiates functional operation of the camera.

d. EXTRA PICTURE Switch. The EXTRA PICTURE switch causes the camera to expose a single frame each time the switch is depressed when the POWER switch is set to ON.

e. CAMERA SEL Switch. The CAMERA SEL switch selects the v/h scaling required for either a forward oblique mounted camera or a vertically mounted camera. It locks out imc in the forward oblique mounted camera.

f. FRAMES REMAINING Counter. The FRAMES REMAINING counter indicates the number of frames remaining in the camera.

g. POWER Lamp. The POWER lamp illuminates when the POWER switch is set to ON thus indicating the presence of +28vdc. When pressed, it indicates the presence of 115vac 400Hz.

h. OPERATE Lamp. The OPERATE lamp flashes once during each camera cycle. It will light continuously to indicate that the film supply has been exhausted or the film torn. When pressed, it indicates the presence of +22vdc regulated. Internally the control panel contains the following:

i. Interface Board Assembly. The interface board assembly (fig. 2-12) provides the circuitry for the +22vdc regulated power supply, frames remaining indicator and fail safe pulse generator, annotation pulse circuit, imc signal driver, and several test circuits.

j. Filter FL1. Both the incoming and outgoing voltages pass through and are filtered by the radio interference filter FL1. The input voltages from the aircraft are applied to FL1 through connector 3J1 located at the rear of the control panel.

k. Connector 3J2. Connector 3J2 connects the control panel to the camera control.

2-6. Functioning of Optics System

The optical system, located in the body, consists of two separate functions: the prime photographic components (lens and prism) (fig. 2-14) and a lens and mirror assembly that projects data from the recording head assembly (rha) of the data annotation system (adas), of the aircraft, for photographic recording on the film (fig. 2-13).

a. A 3 inch f/2.8 lens, an aperture consisting of automatically positioned diaphragm blades and portions of the mechanisms which control automatic exposure control (aec) and image motion compensation (imc) are mounted on a carriage assembly below the focal plane of the camera (fig. 3-3). A double-dove prism is rotated in front of the lens on an axis parallel to the line of flight and the film is advanced across a narrow slit (shutter), which is also oriented parallel to the line of flight.

b. In one cycle, the prism is rotated 180 degrees. Before the start of its photographic scan, the prism is rotated through a 45-degree acceleration angle. A 90-degree rotational angle then follows to scan the 180 degrees required for photography. A 45-degree deceleration angle completes the 180-degree prism cycle.

c. The advancement of the film across the narrow slit (shutter) is in synchronism with the prism rotation. The film lies above a continuously rotating rubber covered cylinder (puck) and it is brought into frictional engagement with the puck intermittently by the pressure roller. The pressure roller is actuated (via a gear and belt train) by a capping cam that is rotated in synchronism with the prism (fig. 2-6). When the prism has rotated through its 45-degree acceleration angle, the pressure roller presses the film against the rotating puck and causes film advance until the 90-degree scanning angle of the prism is completed (fig. 2-14).

d. Shutter speed is a function of film travel and the variable width of the slit in the focal plate. Relative shutter speeds from 1/100 second to 1/8000 second are attainable with this arrangement.

e. Automatic exposure control (aec) varies the width of the slit and the area of the aperture opening. A complete description of aec functioning is contained in paragraph 2-7.

f. Image motion compensation (imc) moves the lens back and forth parallel with the slit. A complete description of imc functioning is contained in paragraph 2-8.

g. The adas components in the body include a lens and mirror assembly consisting of a 1 inch f/2.0 lens, two mirrors, and the rha (fig. 2-13). The lens and mirror arrangement projects the coded image to the film for photographic recording. A complete description of adas functioning is contained in paragraph 2-14.

2-7. Functioning of Automatic Exposure Control

(fig. 6-13)

Automatic exposure control (aec) adjusts both the width of the exposure slit in the focal plate and the opening or closing of an aperture which is located between the front and back lens elements. A V/H signal generated by aircraft equipment and a photocell assembly, located close to the prism, are basic for aec operation. The V/H signal is connected to the camera through the MAN. or AUTO contacts of V/H SEL switch 3S1 on the control panel.

a. Scaling Networks (fig. 2-1).

(1) From V/H SEL switch 3S1, the V/H input signal voltage is channeled to two voltage dividers on the control board assembly 2A4 and fed back to the aircraft equipment as an auxiliary data annotation system (adas) reference voltage. The channels are designated V/H high, V/H vert-1, and V/H vert-2. Their variable inputs are at a gradient of 8.929 volts/cycle/second for vertically mounted cameras and 30.36 volts/cycle /second for cameras mounted in a forward-oblique position.

(2) With CAMERA SEL switch 3S4 set to FWD, the V/H high input is connected to the top of the two scaling networks R10, R21, and R22 and R11 and R12. Each network reduces the V/H voltage to 0.4/volt/cycle/second while the input remains above a gradient of 30.36 volts/cycle/second for autocycle mode of operation.

(3) With CAMERA SEL switch 3S4 set to VERT, the V/H vert-1 voltage is connected to the junction of resistors R10 and R21 of the network serving the electronic mode switch and intervalometer circuits (fig. 2-1). Similarly the V/H vert-2 voltage is connected to the junction of resistors R11 and R12 of the network serving the aec and scan circuits. The output of both networks remains at a gradient of 0.4 volt/cycle/second while the V/H input remains above a gradient of 8.929 volts/cycle/second.

(4) Note that the resistor R2 becomes a part of the V/H vert-2 aec and scan scaling network when operate relay 2A4K1 is energized. When relay 2A4K1 is deenergized, resistor R2 is disconnected and R1 is substituted into the network to enable EXTRA PICTURE switch 1A3S5 to initiate single picture taking with the OPERATE switch 1A3S2 set to OFF but with POWER switch 3S1 remaining in the ON position (fig. 6-14).

(5) A third voltage divider consisting of resistors R13, R14, R15, and zener diode VR1 (fig. 2-1) receives a +15 vdc input and supplies a fixed output of 0.8 volt/2 cycles/second for the aec and scan circuits while the camera operates in the pulse mode.

b. AEC Amplifier Functioning (fig. 6-15).

(1) The V/H signal voltage from the scaling network is connected to the aec log amplifier AR1 on the aec board assembly 2A5, through a bias network. An input of +25 vdc is connected to the bias network through resistor R1 and potentiometers R13, R14, and R15, which are connected in series with and regulated by zener diodes VR2 and VR3 and resistors R16 and R17.

(2) In addition to the 15 vdc, the aec photocell amplifier AR2 receives an input from the aec photocell assembly 1A2, located in the body. The output of photocell 1A2 is applied to differential amplifier AR3 simultaneously with the output of photocell amplifier AR2.

(3) The photocell and its associated circuit act as a voltage divider network whose resistance varies inversely with light intensity. When a low light condition exists, the network applies a large portion of the aec output voltage to the chopper amplifier. As the light intensity increases, the

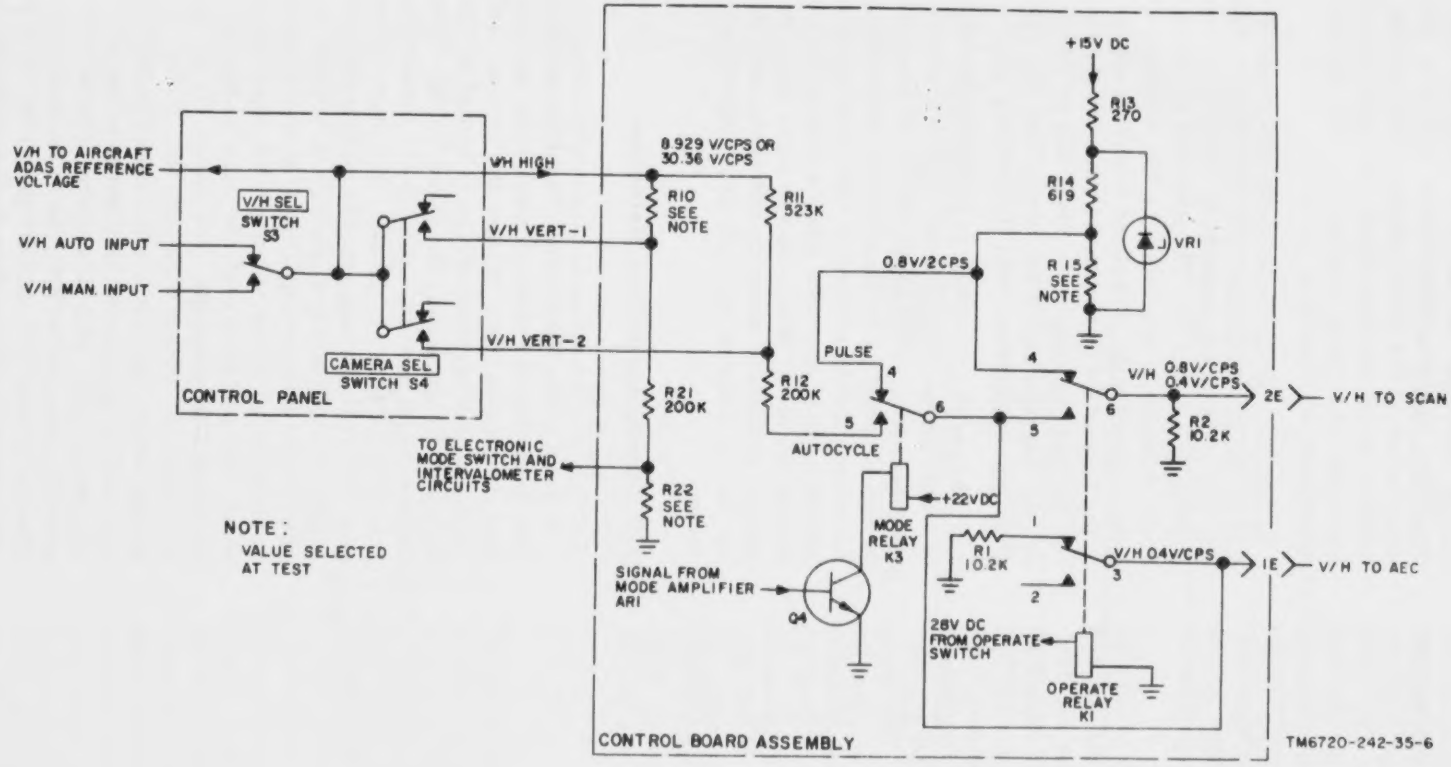

V/H TO AIRCRAFT ADAS REFERENCE VOLTAGE
V/H AUTO INPUT
V/H MAN. INPUT
V/H SEL SWITCH S3
CAMERA SEL SWITCH S4
CONTROL PANEL
V/H HIGH
V/H VERT-1
V/H VERT-2
8.929 V/CPS OR 30.36 V/CPS
R10 SEE NOTE
R11 523K
R21 200K
R12 200K
R22 SEE NOTE
TO ELECTRONIC MODE SWITCH AND INTERVALOMETER CIRCUITS
NOTE: VALUE SELECTED AT TEST
+15V DC
R13 270
R14 619
R15 SEE NOTE
VR1
0.8V/2CPS
PULSE
AUTOCYCLE
4
5
6
MODE RELAY K3
+22VDC
SIGNAL FROM MODE AMPLIFIER AR1
Q4
V/H 0.8V/CPS 0.4V/CPS
R2 10.2K
2E
V/H TO SCAN
R1 10.2K
1
2
3
V/H 04V/CPS
1E
V/H TO AEC
28V DC FROM OPERATE SWITCH
OPERATE RELAY K1
CONTROL BOARD ASSEMBLY
TM6720-242-35-6

Figure 2-1. Scaling Networks, schematic diagram.

network applies a proportionately smaller portion of the aec output voltage to the chopper amplifier.

(4) For all light conditions, the chopper amplifier compares the aec output voltage, from the photocell, with the feedback voltage (dc) from the aec feedback potentiometer R1. If these two dc voltages are not equal, the chopper amplifier converts the difference to an ac signal voltage and applies it to the input of the aec servo amplifier. The amplifier ac output voltage of the aec servo amplifier is applied to the aec motor B1 as an excitation voltage.

(5) Increasing the light intensity to the photocell causes aec motor B1 to close the slit and mechanically reposition the arm of the aec feedback potentiometer, thus changing the magnitude of the feedback voltage to the chopper amplifier. When the feedback voltage is equal in magnitude to the aec output voltage applied to the chopper amplifier, the ac output voltage of the chopper amplifier is at a very low magnitude. This causes the aec motor B1 operation to stop, holding the slit at an opening proportional to the amount of light and the v/h command voltage. When the slit reaches its minimum opening, the mechanical linkage starts to close the aperture. If the light intensity level is high and starts decreasing, the aperture opens until it reaches its maximum limit (f/2.8). When the aperture reaches its maximum limit the mechanical linkage opens the slit.

2-8. Functioning of Image Motion Compensation

The camera contains an image motion compensation (imc) mechanism which permits the lens to move across the focal plane, as a function of scan rate, to eliminate image motion during exposure. Imc functions only in a vertically mounted camera and while the camera is operating in the autocycle mode.

a. The imc mechanism (fig. 2-6) consists of a shaft assembly and a solenoid and lever assembly. The shaft assembly includes an imc cam, a dragbrake, a coupling, a gear, and a shoulder shaft. The cam is pinned to the end of the shaft and it inserts into a cam follower on the carriage which supports the lens assembly. The gear is freewheeling and it rotates continuously in a gear train that is driven by scan motor B1. A solenoid is mounted below the shaft with the yoke of the associated lever engaged in coupling. When the solenoid is actuated, the lever causes the coupling to mesh with the rotating gear. The contour of the cam is such that the lens assembly is moved forward and backward at rates which conform to the angle of the prism position. The dragbrake exerts a drag torque of 1.0 ± 0.5 ounce-inches on the shaft rotation. The counterweights, which oscillate about the pivot arms, counteract the force created by the moving mount, lens, and aperture.

b. The electrical circuits which control the action of the imc mechanism are illustrated in figure 2-3. Regulated +22vdc is applied to the winding of solenoid L1. The other end of the solenoid winding is connected to the collector of driver transistor Q4. Regulated +22vdc is applied to the base of Q4 and when Q4 conducts, the circuit through the solenoid is closed and by the resulting magnetic action the lever slides the coupling into engagement with the rotating gear.

c. The regulated +22vdc is applied to the base of transistor Q4 through mode relay K3, operate relay K2, and CAMERA SEL switch S4 when the camera is operating in the autocycle mode. Relay K3 is energized when the v/h input level governing the mode of operation sets the camera for autocycle operation. When the v/h input drops below the gradient of autocycle operation, mode relay K3 is deenergized and imc automatically ceases.

2-9. Functioning of Drive Mechanism

(fig. 2-6)

a. Body Drive Mechanism. The drive mechanism, consisting of a chain of gears, belts, and pulleys, transports film, rotates the prism, and maintains timing relationships, is housed in the body and the magazine. Excitation voltage from the scan drive circuits (para 2-10) causes the scan motor B1 (1) to rotate. The scan motor gear (2) drives the tach gear (3) causing the tachometer (4) to rotate and generate a voltage applied to the chopper amplifier (fig. 6-16) which is proportional to the speed of the scan motor shaft. The pinion (5) of the scan motor gear drives an idler gear (6). The pinion (7) of the idler gear (6) meshes with gear (8). Pulley (9) drives pulley (10) via a belt (11). The linkage gear (12) delivers mechanical power to the magazine input gear (13). The pinion (7) of idler gear (6) also meshes with the idler gear (14). The rear pinion (16) of idler gear (14) meshes with gear (17) which, when the solenoid (18) is energized, engages and rotates the imc cam (19) causing the lens assembly (20) to perform imc

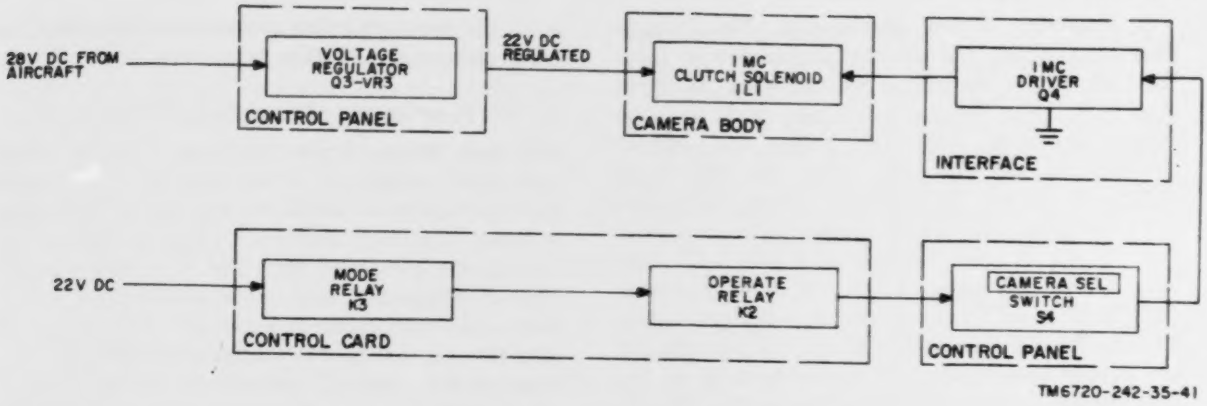

28V DC FROM AIRCRAFT
VOLTAGE REGULATOR Q3-VR3
CONTROL PANEL
22V DC REGULATED
I MC CLUTCH SOLENOID I L I
CAMERA BODY
I MC DRIVER Q4
INTERFACE
22V DC
MODE RELAY K3
OPERATE RELAY K2
CONTROL CARD
CAMERA SEL SWITCH S4
CONTROL PANEL
TM6720-242-35-41

Figure 2-2. Image motion compensation (imc), block diagram.

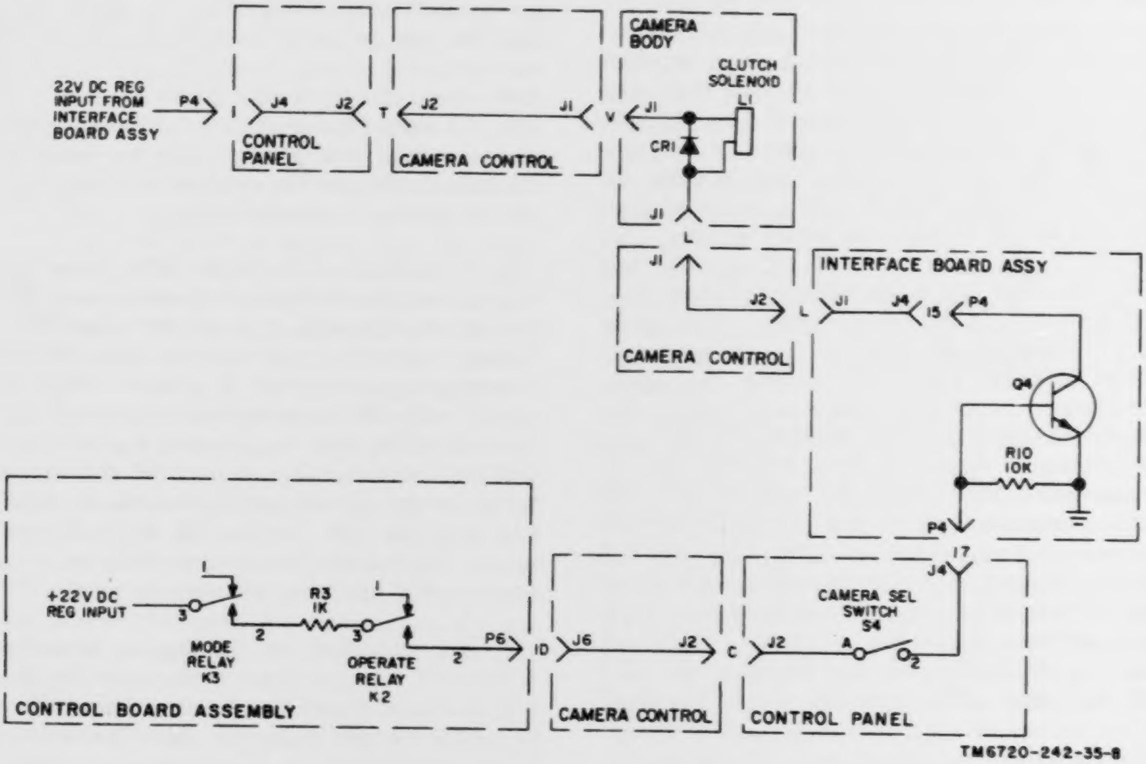

22V DC REG INPUT FROM INTERFACE BOARD ASSY
P4
I
J4
J2
T
CONTROL PANEL
J2
J1
V
CAMERA CONTROL
CAMERA BODY
J1
CLUTCH SOLENOID
L1
CR1
J1
L
J1
J2
L
CAMERA CONTROL
INTERFACE BOARD ASSY
J1
J4
15
P4
Q4
R10
10K
P4
17
J4
+22V DC REG INPUT
1
3
2
MODE RELAY K3
R3
1K
1
3
OPERATE RELAY K2
2
P6
CONTROL BOARD ASSEMBLY
10
J6
J2
C
CAMERA CONTROL
J2
CAMERA SEL SWITCH S4
A
2
CONTROL PANEL
TM6720-242-35-8

Figure 2-3. Image motion compensation (imc), schematic diagram.

oscillation (para 2-8). The front pinion (15) of idler gear (14) drives the prism gear (21) and rotates the prism (22). Pulley (23) rotates pulley (24) via the timing belt (25) causing the timing cam (32) and gear (26) to rotate. The timing cam makes and breaks the puck switch (33) (para 2-15). The gear (26) drives gear (27), lift cam (28), and the capping cam (29) which are all grouped together and mounted on, but independent of the puck (31) shaft. The capping cam causes the capping blade (34), which is located in the aec assembly, to operate (para 2-14). The puck, which rotates continuously, is not involved in the timing sequence and is driven by the meshing of the puck gear (30) with the idler gear (14).

b. Magazine Drive Mechanism. The linkage gear (12), which delivers mechanical power from the body to the magazine, meshes with the input gear (13). Also on the input gear shaft are the supply sprockets (42) and pulley (43) which drive pulley(45) via belt (50). On the same shaft with pulley (45) are the takeup sprockets (41) and gear (44) which meshes with idler gear (46) which, in turn, meshes with gear (47) and thus drives the takeup spool (51). The clutch (48) is attached to and functions with gear (47). The brake (49) is mounted on the spindle of the supply spool (52) and furnishes drag on the film supply to prevent excess film slack. The rotation of the lift cam (29) raises and lowers the cam follower (36). The rocker arm (37), operated by the up and down motion of the cam follower, causes the adas pressure plate (38) to provide pressure on the film during adas exposure (para 2-3). Film is threaded through the magazine as follows: fresh film from the supply spool is threaded about the supply sprockets (42) and routed under the film keeper (40) forming the supply slack loop (53). The film is routed from the film keeper between the pressure roller (35) and the puck (31) forming the takeup slack loop (54), threaded about the takeup sprockets (41) and collected by the takeup spool. Film transport is accomplished when the linkage gear (12) drives the input gear (13) causing the supply sprockets to rotate in a clockwise direction. The supply sprockets pull film from the supply spool and routes it to the supply slack loop thus increasing the supply slack loop size. The pulley (43) rotates the takeup spool and takeup sprockets in a clockwise direction via the belt (50) and the gear arrangement (44, 45, 46, and 47) allowing the film to be collected from the takeup slack loop and thus decreasing the takeup slack loop size. As the supply slack size increases, the cam follower rides on the high side of the lift cam. When the supply slack loop increases a predetermined amount, the cam follower rides on the low side of the lift cam. This condition causes the pressure roller to press the film against the continuously rotating puck thus transporting the film from the supply slack loop, under the pressure plate (39) and film keeper and to the takeup slack loop. As the film passes under the pressure plate and the film keeper it is exposed to the target image. The prism (22), which is rotated at the same rate as the film is transported, transmits the target image through the lens, aperture, and slit (not shown) to the film. When the cam follower reaches the high side of the lift cam, the pressure roller releases the film from the puck thus stopping film transport.

2-10. Functioning of Scan Drive Circuits

The scan drive circuits comprise a pulse width modulated amplifier which controls scan motor B1. The inputs to amplifier AR1 are a v/h signal voltage (fig. 2-1) and the voltage generated by tachometer-generator G1. The tachometer generates a voltage that is proportional to the speed at which the scan motor is rotating. A variable v/h signal voltage from the scaling networks at a gradient of 0.4 volt/cycle/second for autocycle mode of operation or at a fixed 0.8 volt/cycle/second for pulse mode with the pulse intervals variable, is proportional to velocity-over-height at which the aircraft is traveling. The v/h signal voltage and the voltage from the tachometer-generator are compared in scan amplifier AR1. The amplitude and polarity of the amplifier output governs the needed acceleration or deceleration of the scan motor so that it will rotate the prism and advance the film at the required scan rate for the photographing of present terrain.

a. The output of amplifier AR1 is an error voltage resulting from the difference between the two inputs. The polarity is positive when the v/h voltage is greater, and negative when the tachometer-generator voltage is greater. When scan control relay K1 is energized, the error signal from amplifier AR1 is applied to the collector of chopper transistor Q6 and also to the dynamic motor brake circuit, which includes transistors Q12 and Q13. The function of chopper transistor Q6 is to convert the dc level of the error voltage to a 400 hertz square wave dc pulse.

b. The amplitude of the square wave from chopper Q6 is proportional to the error signal and it is connected by emitter follower transistor Q4 to a differentiator capacitor C4. The differentiated pulse (fig. 2-5) then becomes the input to the base of switching transistors Q5 and Q7. Note that Q5 receives a positive-going differentiated dc pulse and Q7 a negative-going differentiated dc pulse. Transistors Q5 and Q7 conduct at approximately 0.3 volt. The output at the collector of Q5 positive half cycles and at Q7 for negative half cycles is amplified as a pulse width. Transistor Q3 serves as the summing point of both circuits and its positive output is the base drive for power transistor Q1, located on the heat sink assembly. Transistor Q1, in turn, drives scan motor B1.

c. When the emitter output of power transistor Q1 is excessive, transistor Q11 is partially turned on and the current feedback cuts down the acceleration of motor B1.

d. Scan cycling control centers in the operation of scan control relay K1. The relay coil receives an input of +22 vdc interlock as long as there is film in the camera. However, the relay remains deenergized until the scan control signal is applied to transistor Q10. This occurs when operate relay K2 (fig. 6–11) is energized. The scan control signal causes transistor Q9 to conduct, connecting K1 to ground. When energized, scan control relay K1 (fig. 6–16) applies the error voltage output of amplifier AR1 to transistor chopper Q6. When the relay is deenergized (scan control signal not applied to Q10) a negative voltage is applied to the chopper circuit, cutting it off.

e. When the OPERATE switch is set to OFF to stop the camera action, operate relay K2 (fig. 6–14) is deenergized. Relay K2 then connects capacitor C1 to the base of transistor Q10 (fig. 6–16). Capacitor C1 discharges causing Q10 to conduct and hold the scan control relay K1 energized, keeping the output of scan amplifier AR1 to the base of transistor Q10 (which is normally conducting) of the dynamic brake circuit. Simultaneously, operate relay K1 (fig. 6–16) is deenergized, removing the V/H input from amplifier AR1. Thus, at this point, the output of amplifier AR1 (fig. 6–16) consists only of the tachometer-generator feedback from scan motor B1. This decrease in the voltage applied to Q12 causes it to cut off. With Q12 cut off, Q13 conducts and the output of bridge rectifier CR1 through CR4 is effectively grounded, stopping the scan motor. When scan control relay K1 deenergizes, a negative voltage is applied to the chopper circuit, cutting it off.

f. The scan motor drives the various camera components through a gear train, as shown in figure 2–6.

2–11. Functioning of Intervalometer Circuits

a. The intervalometer circuit functions as a pulse generator when the camera operates in the pulse mode. The output level of the electronic mode switch governs the output frequency of the intervalometer pulse. The scan drive is thus caused to cycle once for each intervalometer pulse.

b. The input to the electronic mode switch operational amplifier AR1 is a v/h vert–1 signal voltage which is derived from the scaling network (fig. 2–1). The output of amplifier AR1 (fig. 2–7) is applied to the base of a transistor in the temperature controlled differential pair AR2. This turns on the transistor and charges capacitor C3. Capacitor C3 converts the signal to a sawtooth waveform which is applied to relay K2. The output of unijunction transistor Q2 taken at B1 is a pulse approximately 50 milliseconds wide (fig. 2–8). This pulse is applied to the base of transistor Q1, which applies it to the scan control circuit.

2–12. Functioning of Fail Safe Signal and Frames Remaining Circuits

(fig. 2–9)

a. The function of the fail safe signal is to provide a pulse which will illuminate the OPERATE lamp DS2 in synchronism with each advance of a frame of film. It also stops camera operation and keeps the OPERATE lamp illuminated steadily when the end of film has been reached or if film breakage occurs. The circuit generating the pulse also actuates the frames remaining mechanism and provides the input for the annotation pulse circuit. The end of film switch, 1A1S1, located in the aec assembly (fig. 3–3 (3)) initiates the fail safe signal which keeps the OPERATE lamp illuminated.

b. The rotating timing cam actuates the puck switch 1S1 which makes a closure to ground for each camera cycle (fig. 2–6). This closure to ground turns off transistor Q1 and causes emitter follower Q2 to turn on, which causes the control panel OPERATE lamp to illuminate once for each closure of the puck switch. The FRAMES REMAINING indicator is actuated in synchronism with the illumination of the OPERATE lamp and counts down one digit for each closure of the puck switch.

(1) The +22 vdc regulated voltage is connected through the bleeder resistor R9 to the filament of the OPERATE lamp. This extends the life of the lamp and minimizes the turn-on current of transistor Q2.

(2) When there is no film to keep the end of film switch 1A1A1S1 closed, the +22 vdc regulated is disconnected from the scan control relay K1 and from the scan control relay driver 010, and reconnected to the filament of OPERATE lamp DS2. Camera operation then ceases and the OPERATE lamp illuminates steadily.

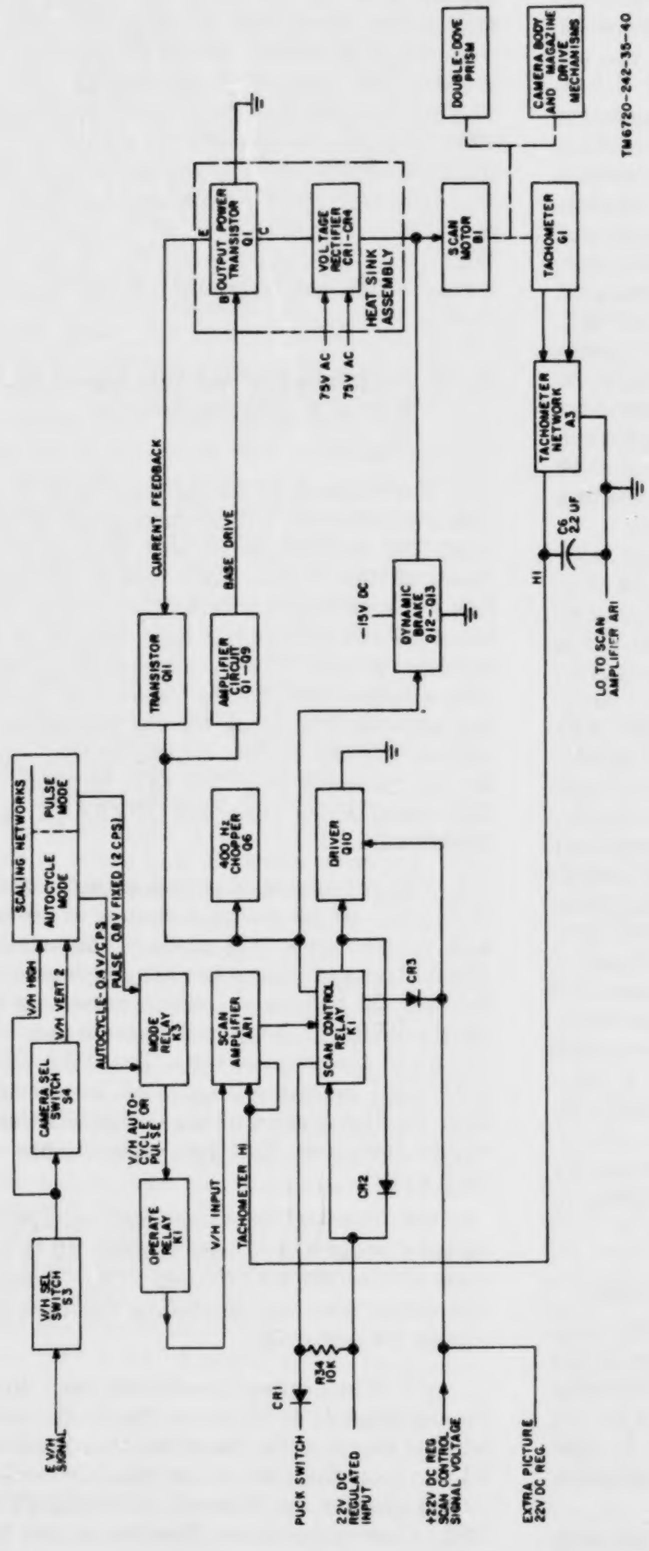
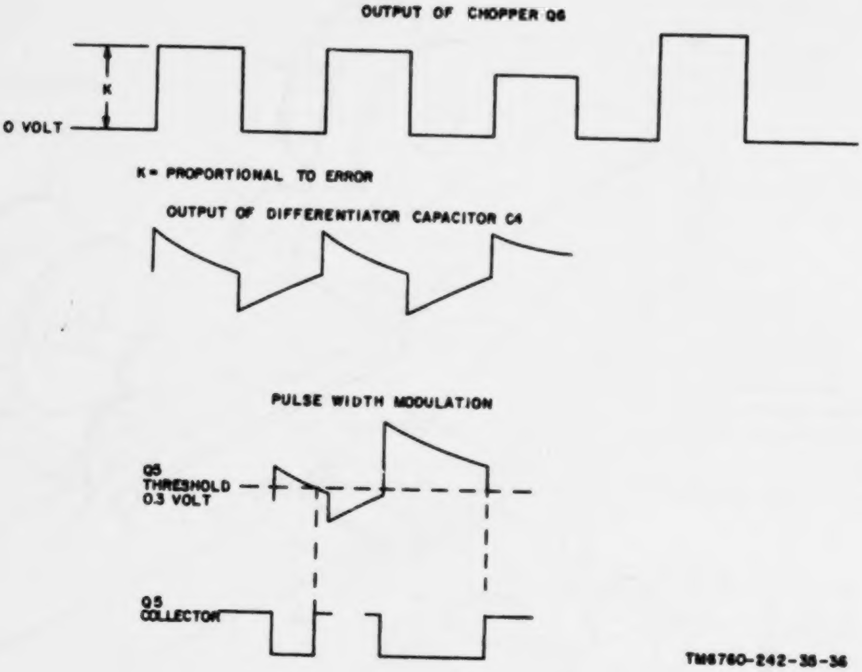

E V/H SIGNAL
V/H SEL SWITCH S3
CAMERA SEL SWITCH S4
V/H HIGH
V/H VERT 2
SCALING NETWORKS
AUTOCYCLE MODE
PULSE MODE
AUTOCYCLE-0.4V/CPS
PULSE 0.8V FIXED (2 CPS)
MODE RELAY K3
V/H AUTO-CYCLE OR PULSE
OPERATE RELAY K1
V/H INPUT
SCAN AMPLIFIER AR1
TACHOMETER HI
SCAN CONTROL RELAY K1
CR2
CR3
CR1
PUCK SWITCH
R34 10K
22V DC REGULATED INPUT
+22V DC REG SCAN CONTROL SIGNAL VOLTAGE
EXTRA PICTURE 22V DC REG.
TRANSISTOR Q11
AMPLIFIER CIRCUIT Q1-Q9
400 Hz CHOPPER Q6
DRIVER Q10
DYNAMIC BRAKE Q12-Q13
-15V DC
CURRENT FEEDBACK
BASE DRIVE
OUTPUT POWER TRANSISTOR Q1
E
B
C
VOLTAGE RECTIFIER CR1-CR4
HEAT SINK ASSEMBLY
75V AC
75V AC
SCAN MOTOR B1
TACHOMETER G1
DOUBLE-DOVE PRISM
CAMERA BODY AND MAGAZINE DRIVE MECHANISMS
TACHOMETER NETWORK A3
HI
C6 22 UF
LO TO SCAN AMPLIFIER AR1
TM6720-242-35-40

Figure 2-4. Scan drive system, block diagram.



TM6760-242-35-36

Figure 2-5. Scan drive system, waveforms.

2-13. Functioning of Annotation Pulse Circuit

a. The function of the annotation pulse circuit (fig. 2-10) is to supply aircraft equipment with a pulse that will coordinate the timing of the aircraft equipment with the camera operation. The annotation pulse circuit converts the pulse initiated by the puck switch (para 2-15) to a 6 ± 1.5 volts, 500 ± 250 microseconds isolated pulse.

b. When Q2 is turned on, as described in paragraph 2-11, capacitor C2 charges up for the length of time that Q2 is turned on and together with the primary winding of transformer T1 furnishes the duration of the pulse. The secondary winding of transformer T1 isolates and provides the shape and width of the pulse. VR1 clips the pulse at an amplitude of 6 ± 1.5 volts and CR1 prevents any back voltage. This output pulse interfaces with the data annotation system being used in the aircraft and provides the command necessary for the recording head assembly (rha) display. The data annotation system being utilized by the aircraft would be either the AN/AYA-5 Bowmar or the AN/AYA-10 Hiller annotation systems.

2-14. Functioning of Auxiliary Data Annotation System

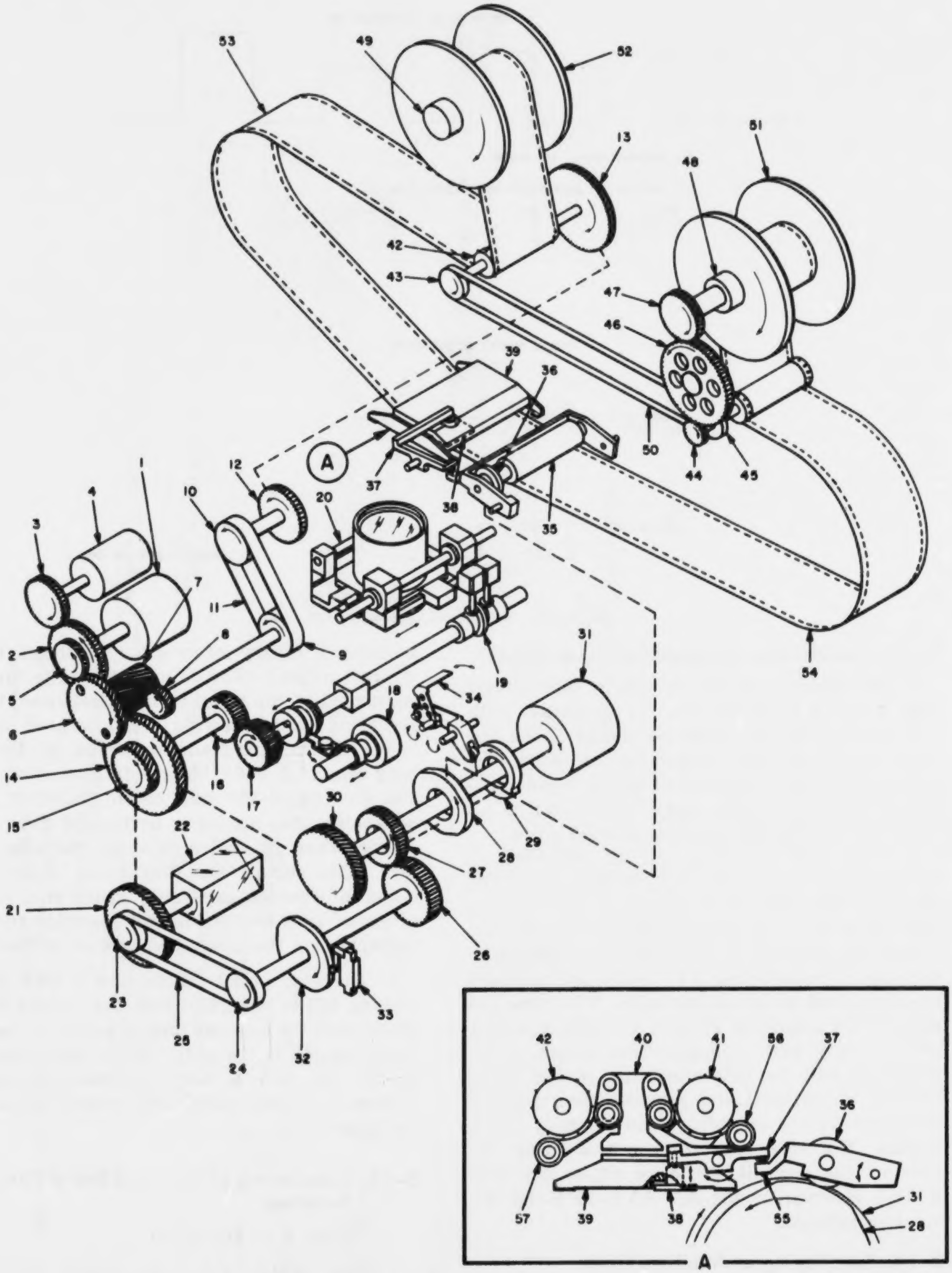
a. The function of the auxiliary data annotation system (adas) is to record on the film alphanumeric or binary information pertinent to the aircraft mission. The data generated in the adas equipment of the aircraft is transmitted to the recording head assembly (rha) located in the body. The capping blade, activated by the capping cam (fig. 2-6), blocks off part of the variable slit (fig. 2-13) just before the film stops advancing, thus leaving a portion of film unexposed. When film advance stops, the adas pressure plate clamps the film (para. 2-3*a*). The coded information appearing on the rha, is then projected by a lens and mirror assembly and photographed on the unexposed portion of the film:

b. The adas is not functionally a part of the camera, but is identified with the camera to the extent that the lens, the mirror assembly and the rha is housed in the body. A v/h reference voltage for the adas aircraft equipment is applied through V/H SEL switch 3S3, located in the control panel.

2-15. Functioning of Puck and End of Film Switches

(figs. 6-11 and 6-12)

a. Puck Switch. The puck switch 1S1 is located in the body (43, fig. 3-4 (2)) and is actuated by the timing cam (fig. 2-6). It is momentarily closed to ground twice during each revolu-


53
49
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51
13
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46
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36
A
37
38
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50
44
45
12
10
20
4
1
3
7
11
9
19
54
2
8
5
6
31
18
34
14
16
17
15
22
30
28
29
27
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37
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57
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38
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31
28
A

TM6720-242-35-45

Figure 2-6. Drive mechanism, schematic diagram.

1	Scan motor B1
2	Scan motor gear
3	Tach gear
4	Tachometer
5	Scan motor gear pinion
6	Idler gear
7	Idler gear pinion
8	Gear
9	Pulley
10	Pulley
11	Belt
12	Linkage gear
13	Input gear
14	Idler gear
15	Idler gear, front pinion
16	Idler gear, rear pinion
17	Gear
18	Solenoid
19	IMC cam
20	Lens assembly
21	Prism gear
22	Prism
23	Pulley
24	Pulley
25	Timing belt
26	Gear
27	Gear
28	Lift cam
29	Capping cam
30	Puck gear
31	Puck
32	Timing cam
33	Puck switch
34	Capping blade
35	Pressure roller
36	Cam follower
37	Rocker arm
38	Adas pressure plate
39	Pressure plate
40	Film keeper
41	Takeup sprocket
42	Supply sprocket
43	Pulley
44	Gear
45	Pulley
46	Gear
47	Gear
48	Clutch
49	Brake
50	Belt
51	Takeup spool
52	Supply spool
53	Supply slack loop
54	Takeup slack loop
55	Adjustment screw
56	Takeup keeper roller
57	Supply keeper roller

Figure 2-6—Continued.

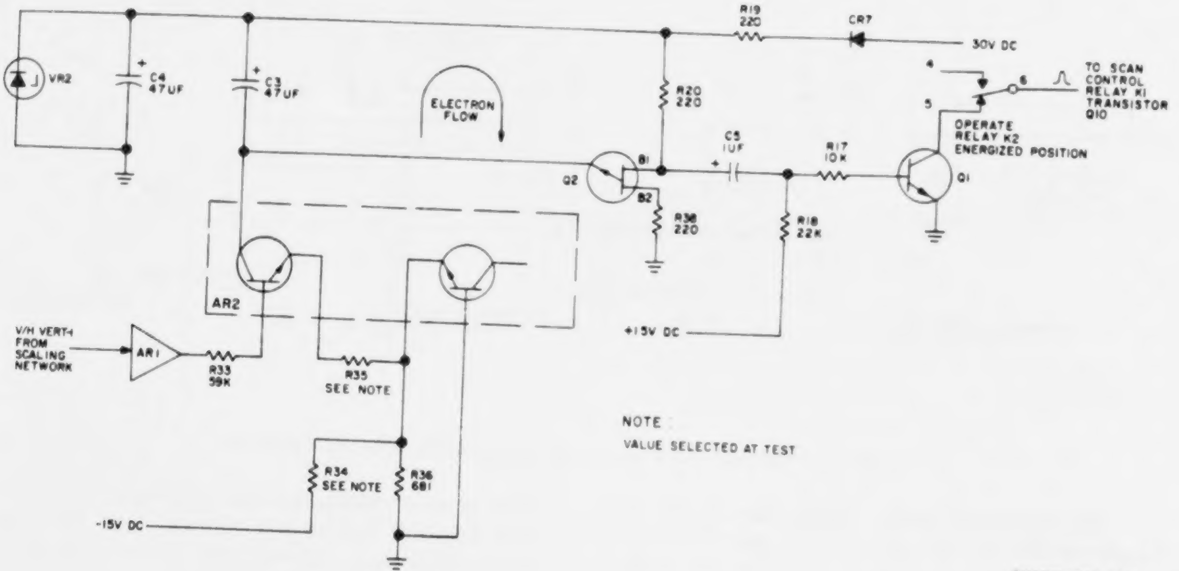
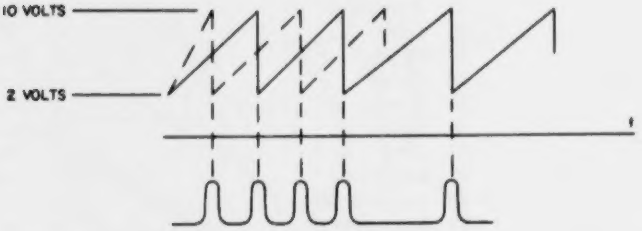

VR2
C4 47UF
C3 47UF
ELECTRON FLOW
R19 220
CR7
30V DC
R20 220
4
5
6
TO SCAN CONTROL RELAY K1 TRANSISTOR Q10
OPERATE RELAY K2 ENERGIZED POSITION
C5 1UF
R17 10K
Q1
Q2
B1
B2
R38 220
R18 22K
AR2
V/H VERT-I FROM SCALING NETWORK
AR1
R33 59K
R35 SEE NOTE
+15V DC
NOTE:
VALUE SELECTED AT TEST
R34 SEE NOTE
R36 681
-15V DC
TM6720-242-35-12

Figure 2-7. Intervalometer pulse circuit, schematic diagram.

tion of the timing cam and each closure denotes one camera cycle. It is also coupled mechanically (via a gear and belt train) to the adas pressure plate (fig. 2-6) and the operation of the puck switch and the adas pressure plate are thus synchronized (para 2-9). The puck switch also functions in both modes of operation, pulse and autocycle.

(1) *Pulse mode.* In the pulse mode of operation the intervalometer 2A4AR2 determines the cycling rate, which is from one cycle per second to one cycle every four and one-half seconds. The pulse from the intervalometer circuit energizes the scan control relay 2A3K1 (fig. 6-16); the relay contacts close and the FRAMES REMAINING counter, OPERATE lamp, and data annotation pulse circuits all operate. The next ground pulse from the puck switch deenergizes relay 2A3K1 thus opening the relay contacts. All of the above functions stop until the next pulse from the intervalometer causes the sequence to be repeated.



THE DOTTED LINE WAVEFORM IS A LARGE V/H INPUT
AND THE SOLID LINE WAVEFORM A SMALLER V/H INPUT TM6720-242-35-37

Figure 2-8. Conversion of V/H signal to intervalometer pulse.

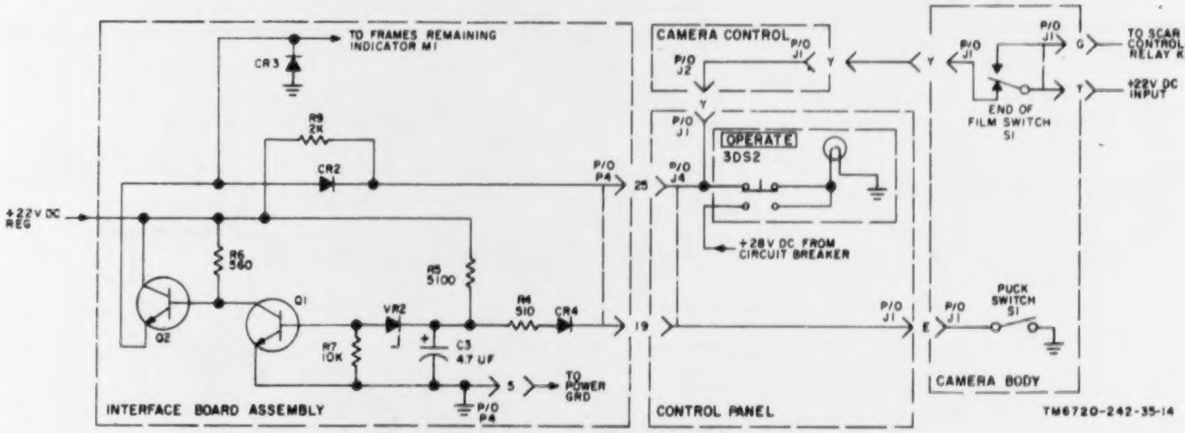

TO FRAMES REMAINING INDICATOR M1
CR3
R9 2K
CR2
P/O P4
25
+22V DC REG
R6 560
R5 5100
Q1
Q2
VR2
R4 510
CR4
19
R7 10K
C3 4.7 UF
5
TO POWER GRD
P/O P4
INTERFACE BOARD ASSEMBLY
CAMERA CONTROL
P/O J1
Y
P/O J2
P/O J1
P/O J4
OPERATE
3DS2
+28V DC FROM CIRCUIT BREAKER
P/O J1
E
CONTROL PANEL
P/O J1
G
TO SCAN CONTROL RELAY K1
T
+22V DC INPUT
END OF FILM SWITCH S1
PUCK SWITCH S1
CAMERA BODY
TM6720-242-35-14

Figure 2-9. Fail safe and frames remaining circuits, schematic diagram.

(2) *Autocycle mode.* When the speed and height of the aircraft is such that the V/H signal causes the camera to cycle at one cycle per second, the camera automatically switches to the autocycle mode of operation. The V/H signal is amplified by amplifier 2A4AR1, the voltage detector zener diodes VR4 and VR5 cause transistor Q5 to turn on and energize relay 2A4K3 thus placing the camera in the autocycle mode of operation. In the autocycle mode the cycling rate is from one cycle to eight and one-half cycles per second.

b. End of Film Switch. The end of film switch 1A1S1 (84, fig. 3-3 (3)) is located in the aec assembly. The switch is on when its actuating shaft is held in a depressed position by the pressure of the film passing over it. The shaft is released and turns the switch off at the end of film or as a result of film breakage. In its actuated position, the switch applies +22 vdc regulated to the scan control and control board circuits, closes the interlock circuit and camera operation results. In its off position the interlock circuit is open and camera operation ceases, also voltage is applied to the fail safe circuit which causes the control panel OPERATE lamp to illuminate steadily (para 2-12).

2-16. Functioning of Power Supply

a. Primary power of 115 vac, 400 Hz, 28 vdc, and 5 vdc is furnished from aircraft sources and applied to the camera through filter 3FL1 and POWER switch 3S1 located on the control panel (fig. 6-12). The 115 vac, 400 Hz input and the +28 vdc input are connected to respective circuit

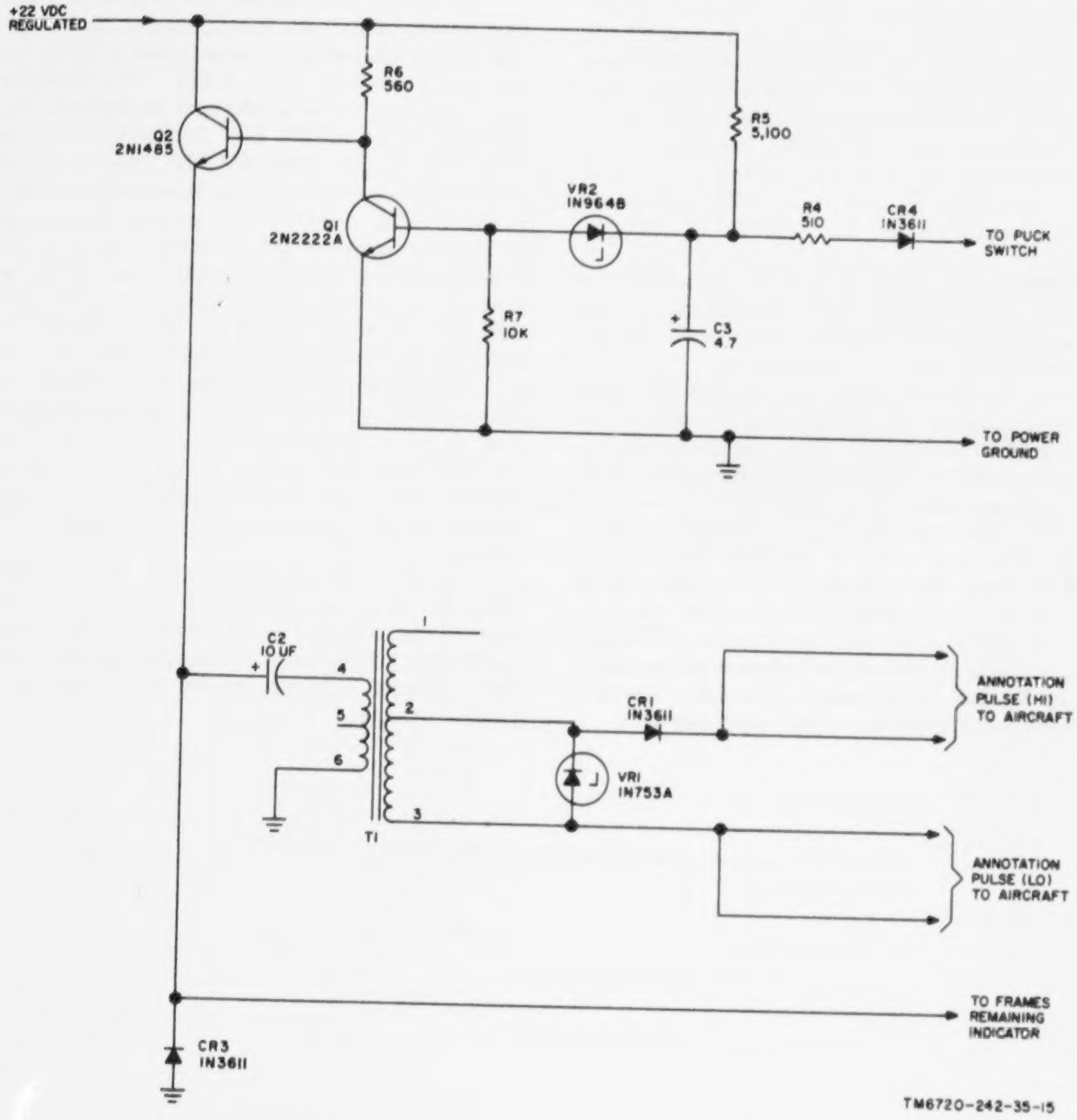

+22 VDC REGULATED
R6
560
R5
5,100
Q2
2N1485
Q1
2N2222A
VR2
IN964B
R4
510
CR4
IN3611
TO PUCK SWITCH
R7
10K
C3
4.7
TO POWER GROUND
C2
10 UF
1
4
5
6
2
3
T1
CR1
IN3611
VR1
IN753A
ANNOTATION PULSE (HI) TO AIRCRAFT
ANNOTATION PULSE (LO) TO AIRCRAFT
TO FRAMES REMAINING INDICATOR
CR3
IN3611
TM6720-242-35-15

Figure 2-10. Annotation pulse circuit, schematic diagram.

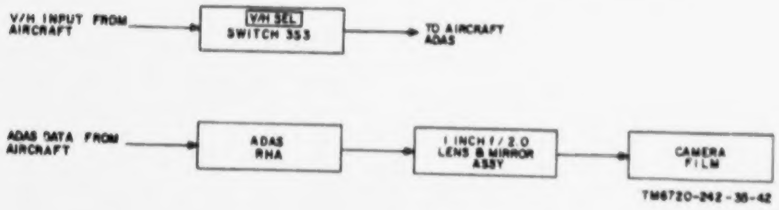

V/H INPUT FROM AIRCRAFT
V/H SEL
SWITCH 353
TO AIRCRAFT ADAS
ADAS DATA FROM AIRCRAFT
ADAS RHA
1 INCH f / 2.0 LENS & MIRROR ASSY
CAMERA FILM
TM6720-242-35-42

Figure 2-11. Auxiliary data annotation system (adas), block diagram.

breakers on the camera control and then to a power supply assembly, located at the bottom of the camera control (7, fig. 3-8); and a +22 vdc regulator circuit which is part of the interface board assembly, located in the control panel (7, fig. 3-13). The 115 vac input voltage can be checked by depressing the POWER indicator 3DS1 on the control panel. The +28 vdc voltage is checked similarily on the OPERATE indicator 3DS2.

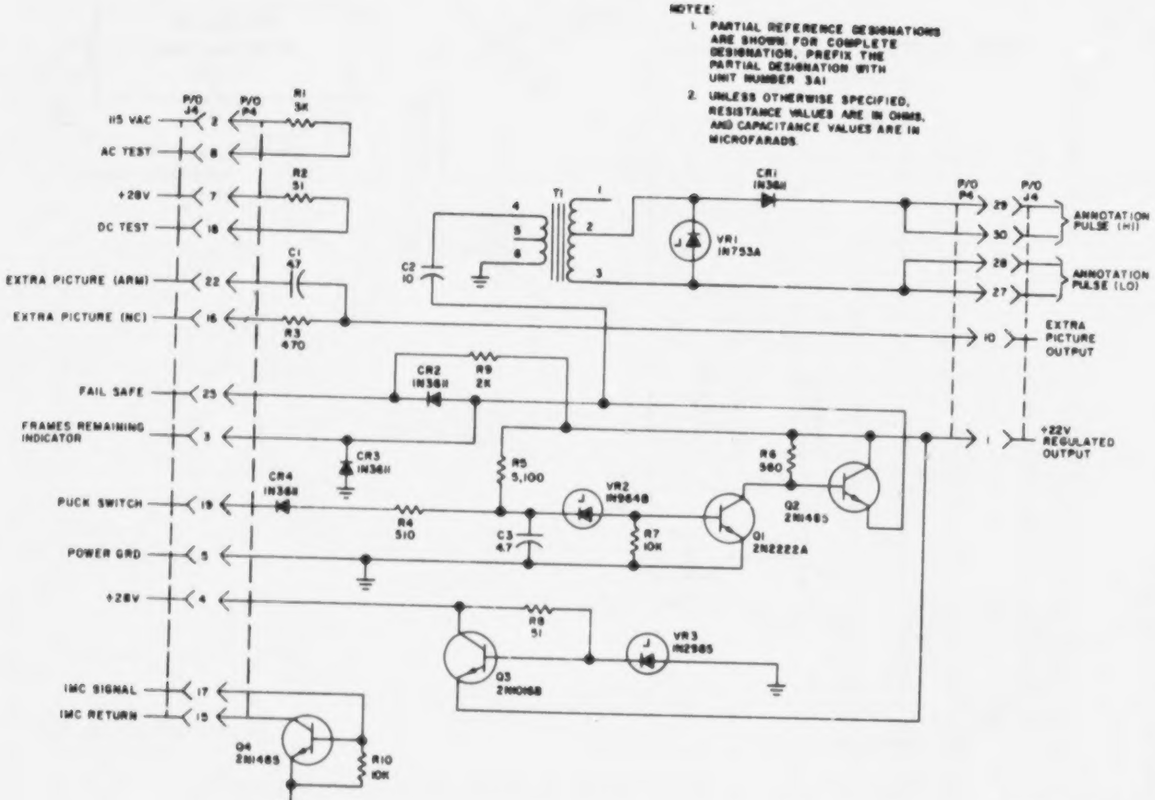
b. The power supply (fig. 6-17) furnishes the various direct current and alternating current voltages used in the camera circuits with the exception of the +22 vdc regulated.

(1) Conversion of the 115 vac, 400 Hz input voltage to the dc and ac working voltages of the camera is accomplished by two circuits which include separate transformers, a diode bridge rectifier, and associated parts (fig. 6-17).

(2) Power transformer T1 has an output of 75 vac, floating, which is rectified in the heat sink assembly for application to the collector of scan drive power output transistor Q1 (fig. 6-16). A second output of transformer T1 is +5 vdc, which is applied to the collector of transistor Q3 in the scan drive circuit. Transistor Q3 is a driver stage for power output transistor Q1.

(3) Power transformer T2 (fig. 6-17) also has outputs of 25 vdc, 15 vdc, 30 vac, and 6 vac. The +25 is connected to potentiometer R8 on the aec board assembly (fig. 6-15). Potentiometer R8 is adjusted for a 7-volt input to feedback potentiometer R1 of the aec components in the body (fig. 6-11). The -25 vdc (fig. 6-17) is connected to potentiometer R21 on the aec board assembly (fig. 6-15), which adjusts the voltage to the film exposure index network (aei) on the interconnecting board assembly (fig. 3-12) located in the camera control (para 2-4). The +15 vdc and -15 vdc are used for all integrated circuits and for transistor collectors on the scan, aec, and control board assemblies. Transformer T2 also supplies 30 vac and 6 vac reference voltages. The 30 vac is connected to the transformer T1 of the ring modulator circuit on the aec board assembly. The 6 vac output is applied to the base of the chopper transistor Q6 of the scan drive system.

(4) The +22 vdc regulated is derived from the +28 vdc primary input and converted in a circuit on the interface board assembly (fig. 2-12). Transistor Q3 regulates the converted +22 volts. The regulated +22 vdc is used exclusively as a control voltage.


P/O J4
P/O P4
R1 3K
115 VAC
2
AC TEST
8
+28V
7
R2 51
DC TEST
18
C1 4.7
EXTRA PICTURE (ARM)
22
EXTRA PICTURE (NC)
16
R3 470
FAIL SAFE
25
CR2 IN3611
R9 2K
FRAMES REMAINING INDICATOR
3
CR3 IN3611
CR4 IN3611
PUCK SWITCH
19
R4 510
POWER GRD
5
+28V
4
IMC SIGNAL
17
IMC RETURN
15
Q4 2N1485
R10 10K
T1
1
2
3
4
5
6
C2 10
CR1 IN3611
J
VR1 IN753A
P/O P4
P/O J4
29
30
ANNOTATION PULSE (HI)
28
27
ANNOTATION PULSE (LO)
10
EXTRA PICTURE OUTPUT
1
+22V REGULATED OUTPUT
R5 5,100
J
VR2 IN964B
C3 4.7
R7 10K
Q1 2N2222A
R6 560
Q2 2N1485
R8 51
J
VR3 IN2985
Q3 2N1016B

NOTES:

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 3A1
2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS, AND CAPACITANCE VALUES ARE IN MICROFARADS.

TM6720-242-35-7

Figure 2-12. Interface board assembly, schematic diagram.

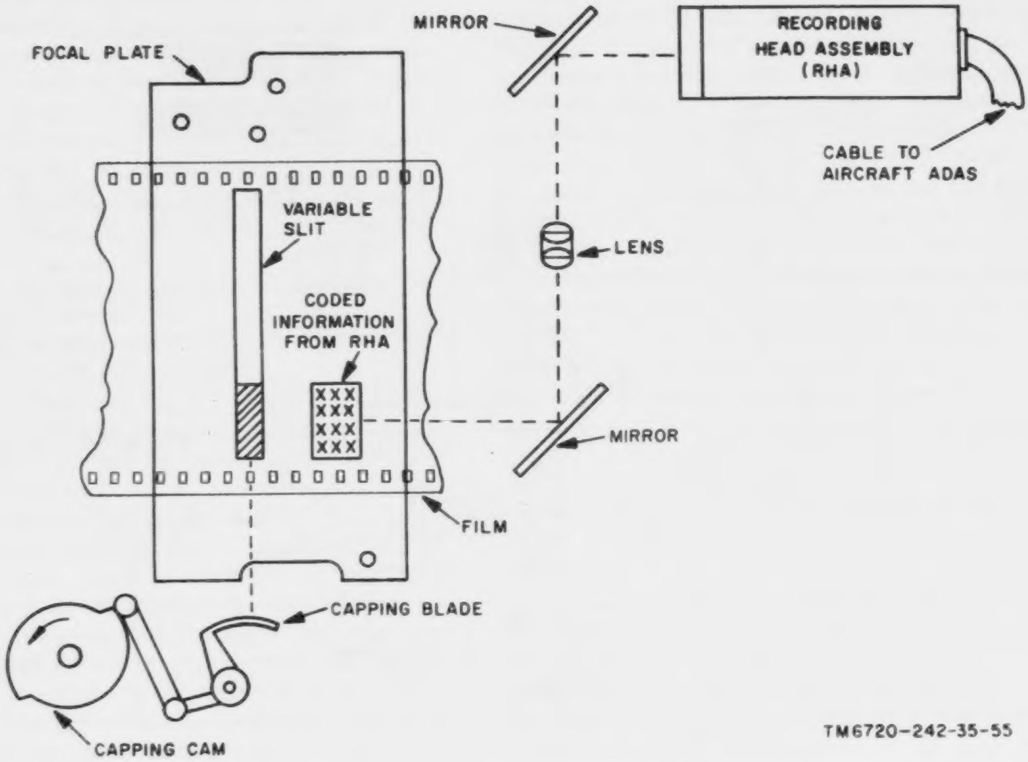
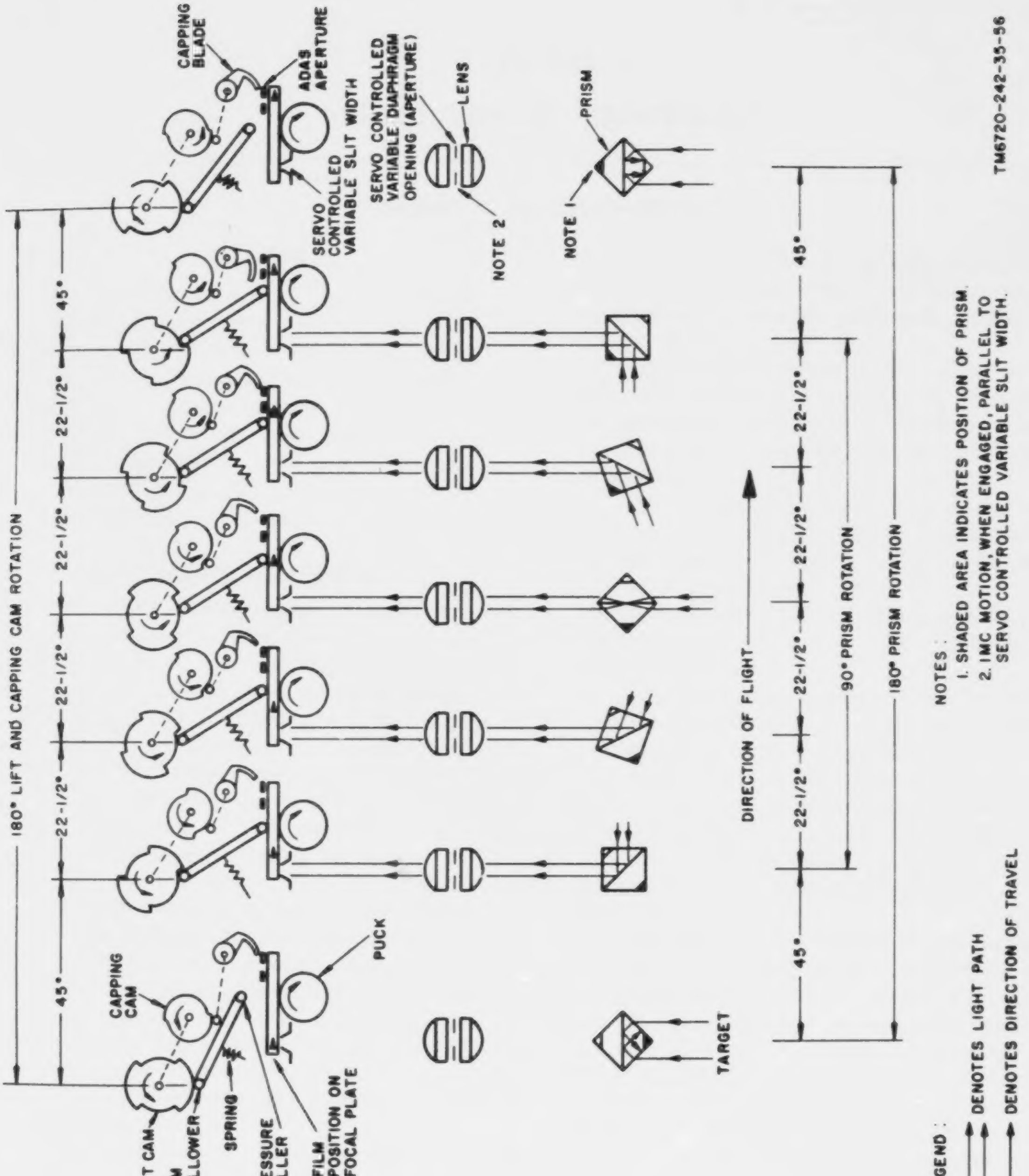

FOCAL PLATE
MIRROR
RECORDING HEAD ASSEMBLY (RHA)
CABLE TO AIRCRAFT ADAS
VARIABLE SLIT
LENS
CODED INFORMATION FROM RHA
XXX
XXX
XXX
XXX
MIRROR
FILM
CAPPING BLADE
CAPPING CAM
TM6720-242-35-55

Figure 2-13. Auxiliary data annotation system (adas), functional diagram.


180° LIFT AND CAPPING CAM ROTATION
45°
22-1/2°
22-1/2°
22-1/2°
22-1/2°
45°
LIFT CAM
CAM FOLLOWER
SPRING
PRESSURE ROLLER
FILM POSITION ON FOCAL PLATE
CAPPING CAM
PUCK
TARGET
CAPPING BLADE
ADAS APERTURE
SERVO CONTROLLED VARIABLE SLIT WIDTH
SERVO CONTROLLED VARIABLE DIAPHRAGM OPENING (APERTURE)
LENS
NOTE 2
PRISM
NOTE 1
DIRECTION OF FLIGHT
45°
22-1/2°
22-1/2°
22-1/2°
22-1/2°
45°
90° PRISM ROTATION
180° PRISM ROTATION
TM6720-242-35-56

LEGEND :
→ DENOTES LIGHT PATH
→ DENOTES DIRECTION OF TRAVEL

NOTES :
1. SHADED AREA INDICATES POSITION OF PRISM.
2. IMC MOTION, WHEN ENGAGED, PARALLEL TO SERVO CONTROLLED VARIABLE SLIT WIDTH.

Figure 2-14. Film transport, timing diagram.

CHAPTER 3

DIRECT SUPPORT MAINTENANCE

Section I. TROUBLESHOOTING

WARNING

Be extremely careful when troubleshooting and repairing the camera. Power sources of 115 vac, 400 hz and 28 vdc are present internally for camera operation. Use insulated test probes when making voltage measurements and always disconnect the power sources from the equipment before handling internal parts.

3–1. Troubleshooting Information

a. General Troubleshooting. General troubleshooting at direct support (DS), general support (GS) and depot includes the procedures and techniques designated for each lower category of maintenance and the added special techniques at each category for the isolation of a defective part. The systematic troubleshooting procedures which begin with the operational and sectionalization checks performed at the organizational level, must be supplemented where needed by further localization and isolation techniques applicable to the higher category of maintenance being performed. At organizational level, tests are performed with the use of Test Set, Camera LS–86A and with the camera components connected to each other and in operation (TM 11–6720–242–12). At the higher category of maintenance, troubleshooting is usually confined to a single component or assembly and performed with a bench test setup.

b. Organization of Troubleshooting Procedures.

(1) *General.* The first step in servicing defective equipment is to sectionalize the fault; that is, to trace the fault to a major component or assembly. The second step is to localize the fault to a defective system or assembly. The third step, isolation, traces the fault to the defective part. Some faults, such as a defective film transport mechanism, or the binding of mechanical components, can often be isolated by sight, touch, or hearing. The majority of faults, however, must be isolated by detailed electrical, mechanical, or optical checks.

(2) *Sectionalization check.* After a trouble has been sectionalized (traced to a component or assembly), perform the procedures that will localize it to a system and then isolate it to a part or assembly.

(3) *Visual inspection.* Frequently, a fault may be identified by visual observation alone and in such case no further localization is required. However, mechanical faults, such as defective clutches, springs, precision fits and spacings, having prescribed conditions, require types of checks applicable to them.

(4) *Localizing troubles.* One or more localizing procedures may be necessary, depending on the nature of the symptoms. When the procedure results in localizing trouble to a particular section, use the designated test procedures to isolate the trouble to a particular assembly or part.

(5) *Troubleshooting charts.* Troubleshooting charts aid in localizing trouble to an assembly or part.

(6) *Signal substitution.* Signal substitution permits the checking of an assembly by the use of special test sets which enable applicable signals to be connected to the various circuits of the assembly to verify their normal response.

(7) *Isolation.* Following the isolation of a trouble to a circuit, the parts comprising the circuit are checked to determine their operational status. As the equipment is transistorized, all precautions must be taken to prevent their damage. A momentary short circuit will ruin a transistor. Insulate all but the extreme tip of a test probe when measuring voltages. Refer to figures 6–8 and 6–9 to determine the value of a resistor or a capacitor by its color coding.

(8) *Maintenance assignment charts.* The maintenance allocation chart (MAC) in conjunction with the maintenance support plan desig-

nates the maintenance functions assigned to each category of maintenance.

(9) *Tool and test equipment requirements.* The tools and test equipment supplied to the various levels of maintenance are designated in the tool and test equipment requirement list.

3-2. Direct Support Procedures

This section contains the data, instructions, and procedures for the use of direct support maintenance personnel. The information includes troubleshooting procedures and charts, disassembly, replacement and reassembly procedures, and bench tests. This information, a supplement to basic organizational data or procedure, should aid in sectionalizing, localizing or isolating a fault at the direct support level. *For example,* the test set will check operational status of most systems while a camera is installed in the aircraft and in operation. Customarily, the results of these checks will be sufficient to indicate at least the area of trouble, and this will enable direct support personnel to isolate it to an assembly or part. To facilitate bench testing when using the test set, three test cables are provided; figure 3-20 identifies the cables and shows their connections. When malfunctioning in the control panel or the camera control is not readily traceable to a system or circuit in the component, perform the continuity checks contained in TM 11-6720-242-12 and use the applicable schematic diagram contained in this manual, to trace the circuits.

3-3. Test Equipment, Tools, and Materials Required

a. General. The chart in *b* below lists the special test equipment and tools required for servicing the camera at the direct support level. The materials are listed in *c* below. Special test instruments used to test plug-in boards are not furnished but the methods of making them are shown in figures 3-1 and 3-2. In addition to the special equipment, the following instruments and tools are required:

b. Test Equipment.

Nomenclature and/or type number	*FSN*
Test Set, Camera System LS-86A	6760-922-2680
Counter Electronic Digital AN/USM-207	6625-911-6368
Voltmeter, Digital AN/GSM-64	6625-807-2264
Oscilloscope AN/USM-140A	6625-987-6603
Tool Kit, Photographic Repairman TK-77/GF	5180-752-9068
Tool Kit, Photographic Repairman TK-109/GF	5180-856-9653
Multimeter AN/USM-223	6625-999-7465
Strobotac GR1531	
Hand Blower	5120-284-4612

c. Materials.

Material	*Part or Type No.*	*Federal stock No.*	*Vendor*	*Use*
Adhesive	M 6123		89616	Securing photocell window glass.
Electrical insulating compound.	MIL-L-46058 Type ER (FS10006).			Coating electrical board assemblies.
Epoxy adhesive	FS10080			Securing shielding gaskets.
Glyptal adhesive	7526F	8040-636-1165	G. E. Co.	Securing shielding screws.
Silicone grease	DC340	8030-998-3337	71984	Coating between metal mounting surfaces, as directed.
Solvent cleaner	Chlorothene Nu		Dow Chem. Co.	Cleaning surfaces to be coated with electrical insulating compound.

d. Special Tools and Test Equipment.

Test equipment	*Use*
Power Supply Test Fixture (fig. 3-1)	Checks circuits of power supply board assembly.
Heat Sink Assembly Test Fixture (fig. 3-2).	Checks circuits of scan heat sink assembly.

e. Fabricating Power Supply Board Assembly Test Fixture.

(1) The power supply test fixture is not supplied as a camera component. It must be made.

(2) See figure 3-1 and construct a test fixture that permits the power supply board assem-

bly to be plugged into a connector that is wired to the circuits shown.

f. Fabricating Scan Heat Sink Assembly Test Fixture.

(1) The heat sink assembly test fixture is not supplied as a camera component. It must be made.

(2) See figure 3-2 and construct a test fixture that permits connecting the heat sink to a connector that is wired to the circuits shown.

3-4. Localizing Troubles

a. General. If a trouble was not localized at the organizational level by checks performed with Test Set, Camera LS-86A or by other means, refer to the troubleshooting charts.

b. Troubleshooting Charts. The troubleshooting charts below provide continuity of analysis from symptom, to probable trouble, to correction. The charts will aid in tracing a malfunction. The detailed test procedures of paragraph 3-5 should then isolate the trouble to an assembly or part.

(1) *Troubleshooting camera body.*

Item	Malfunction	Probable Cause	Corrective Action
1	AEC malfunctioning	*a.* Photocell assembly	*a.* Replace photocell assembly (para 3-14).
		b. Defective servo motor, feedback resistor, or mechanism.	*b.* Send AEC assembly to higher category of maintenance.
2	Servo motor friction clutch defective.	Worn or damaged parts	Replace friction clutch (para 3-12).
3	ADAS not recording photographically.	*a.* Defective RHA assembly	*a.* Replace RHA assembly (para 3-15).
		b. Damage to lens and mirror assembly.	*b.* Send AEC assembly to higher category of maintenance.
4	Sensitive (puck) switch	*a.* Mounting alinement	*a.* Realign (para 3-1).
		b. Loose electrical connection	*b.* Examine connections; secure where necessary.
		c. Switch actuator adapter	*c.* Send to higher category of maintenance for replacement.

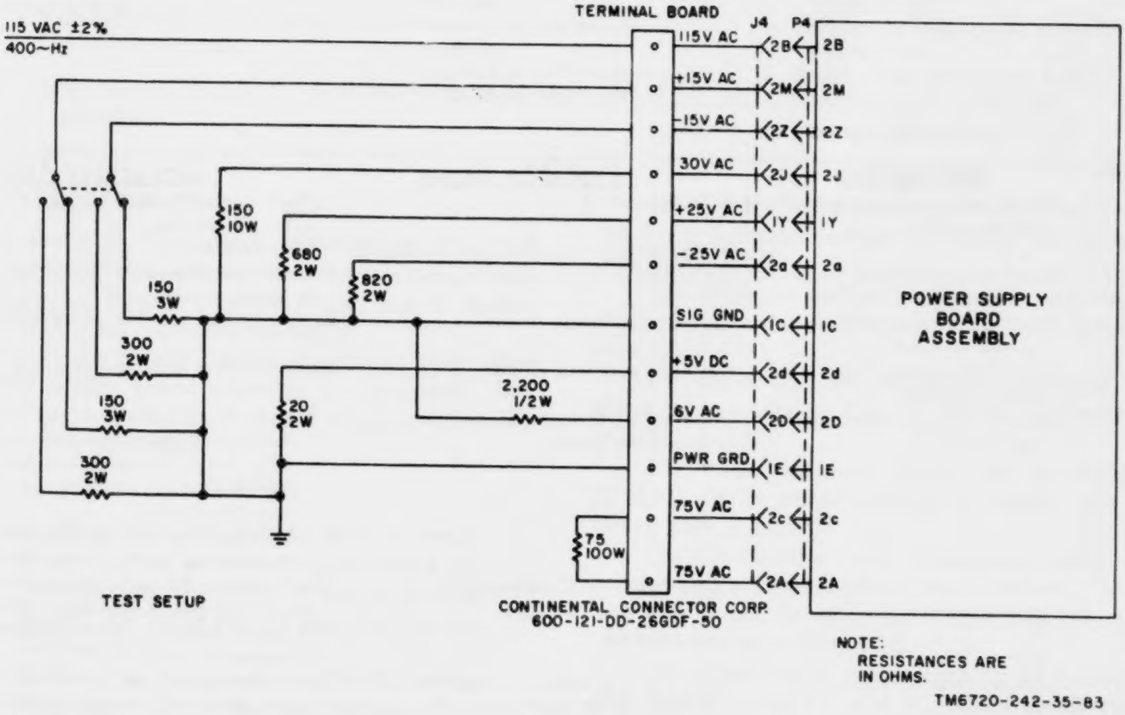

115 VAC ±2%
400~Hz
TERMINAL BOARD
J4
P4
115V AC
+15V AC
-15V AC
30V AC
+25V AC
-25V AC
SIG GND
+5V DC
6V AC
PWR GRD
75V AC
75V AC
2B
2M
2Z
2J
1Y
2a
1C
2d
2D
1E
2c
2A
150
10W
680
2W
820
2W
150
3W
300
2W
150
3W
300
2W
20
2W
2,200
1/2W
75
100W
POWER SUPPLY
BOARD
ASSEMBLY
TEST SETUP
CONTINENTAL CONNECTOR CORP.
600-121-DD-26GDF-50
NOTE:
RESISTANCES ARE
IN OHMS.
TM6720-242-35-83

Figure 3-1. Power supply board assembly, test setup.

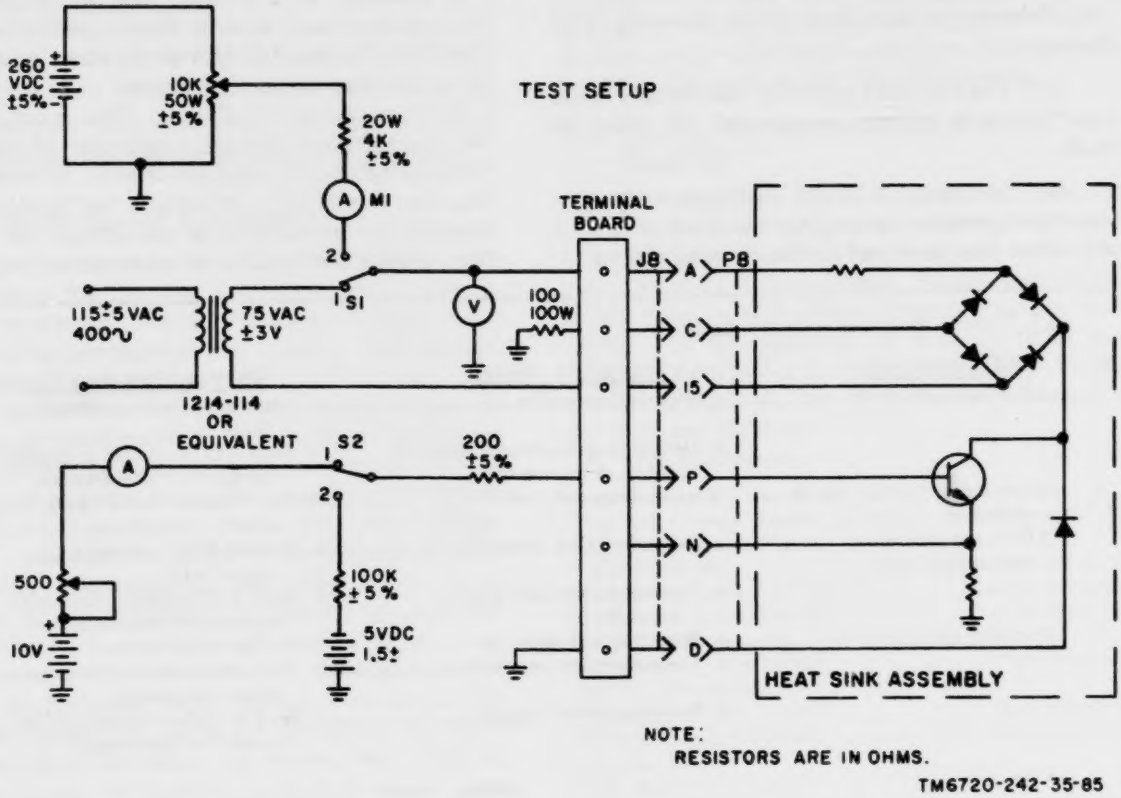

TEST SETUP
260 VDC ±5%
10K 50W ±5%
20W 4K ±5%
A
M1
2
1
S1
V
115±5 VAC 400~
75 VAC ±3V
1214-114 OR EQUIVALENT
100 100W
TERMINAL BOARD
J8
P8
A
C
15
P
N
D
S2
A
1
2
200 ±5%
500
10V
100K ±5%
5VDC 1.5±
HEAT SINK ASSEMBLY
NOTE:
RESISTORS ARE IN OHMS.
TM6720-242-35-85

Figure 3-2. Scan heat sink assembly, test setup.

(2) *Troubleshooting camera control.*

Item	Malfunction	Probable Cause	Corrective Action
1	No dc voltage outputs from power supply.	Transformer T2	Perform test procedure (para 3-5) to isolate trouble.
		Bridge rectifier	Same as above.
2	No ac voltage outputs from power supply.	Transformer T1	Perform test procedure (para 3-5) to isolate trouble.
3	Dc circuit breaker 2CB1 cannot be reset.	Defective magnetic circuit	Replace circuit breaker (para 3-27).
4	Ac circuit breaker 2CB2 cannot be reset.	Defective magnetic circuit	Replace circuit breaker (para 3-27).
5	AEI network on interconnecting board.	Resistors R1 through R7 on interconnecting board.	*a.* Check circuit wiring on interconnection board assembly (fig. 6-18). Connect an ohmmeter across terminal contacts and check continuity. *b.* Check each resistor to isolate the trouble and replace where needed.
6	Output of AEC feedback potentiometer oscillates.	Operation of AEC servomotor in camera body unstable.	Check resistor R8 on interconnection board. Replace, if necessary. Refer to higher category of maintenance if resistor is good.
7	AEC servo-motor malfunctioning.	Output of ϕ A and ϕ B control voltage on aec board assembly.	Check capacitor C1 on interconnection board. Replace if necessary. Refer to higher category of maintenance if capacitor is good.

(3) *Troubleshooting control panel.*

Item	Malfunction	Probable Cause	Corrective Action
1	Extra picture circuit does not function.	EXTRA PICTURE switch S5	Check switch operation and replace if found faulty (fig. 6-11).
2	No V/H input to scaling network on control board assembly.	CAMERA SEL switch S4	Check switch operation and replace if necessary.
3	No +28 vdc or 115 vac power input to interface board assembly.	POWER switch S1	Check switch operation and replace if necessary.
4	Camera does not operate in autocycle mode.	OPERATE switch S2	Check switch operation and replace if necessary.
5	No V/H voltage	V/H SEL switch S3	Check switch operation and replace if necessary.

(4) *Troubleshooting magazine.*

Item	Malfunction	Probable Cause	Corrective Action
1	Scratches on film	*a.* Burs on pressure plate	*a.* Replace pressure plate assembly (para 3-40).
		b. Burs on film guides	*b.* Replace pressure roller assembly (para 3-42).
2	Film disengages from sprockets.	*a.* Spring in keeper block exhausted, damaged or left out.	*a.* Install new spring in keeper block assembly (para 3-41).
		b. Keeper rollers damaged	*b.* Replace keeper block assembly (para 3-41).
3	Adas image out of focus on film.	*a.* Roller follower damaged	*a.* Replace pressure roller assembly (para 3-42).
		b. Adas pressure plate twisted out of position.	*b.* Turn adas pressure plate until it seats properly (fig. 3-17).
4	Film does not advance smoothly.	*a.* Roller damaged or does not rotate smoothly.	*a.* Replace pressure roller assembly (para 3-42).
		b. Film guides bent or damaged.	*b.* Replace pressure roller assembly (para 3-42).
5	Film spool cannot be properly attached to spindle.	*a.* Damaged pivot on spindle assembly.	*a.* Replace affected spindle assembly (para 3-43).
		b. Damaged slot on film spool	*b.* Replace film spool (para 3-44).
6	Film does not take up properly.	Bent or damaged film spool	Replace film spool (para 3-44).

3-5. Signal Substitution Tests

a. General. The special test fixtures described in paragraph 3-3 provide necessary signal substitutions for testing a power supply board assembly and a scan heat sink assembly.

b. Testing Power Supply Assembly. Insert the power supply board assembly in the special test fixture shown in figure 3-1. A vacuum tube voltmeter will be needed.

NOTES

1. When the designated value or condition of a test is not obtained, trace the malfunctioning circuit in figure 6-17 to isolate the faulty part or assembly for replacement.
2. The pins designated in the following procedure refer to the test fixture.

(1) Set the power on.

(2) Set the test set switch to position 1 and check for a meter reading of +15±1 vdc between pins 2M and 1C.

(3) With the test set switch set to position 1 check for a meter reading of -15±1 vdc between pins 2Z and 1C.

(4) Reset test set switch to position 2 and check for a meter reading of +15±1 vdc between pins 2M and 1C.

(5) With the test switch set to position 2, check for a meter reading of -15±1 vdc between pins Z and 1Z.

(6) Check for a meter reading of 6±0.6 vac between pins 2D and 1C.

(7) Check for a meter reading of 29 ± 3 vac between pins 2J and 1C.

(8) Check for a meter reading of +21 ± 3 vdc between pins 1Y and 1C. Then check for a maximum meter reading of 4 vac, rms, between the same pins.

(9) Check for a meter reading of -21 ± 3 vdc between pins 2A and 1C. Then check for a maximum meter reading of 4 vac rms, between the same pins.

(10) Check for a meter reading of 24 ± 5 vac between pins 2C and 2A.

(11) Check for a meter reading of 3.2 ± 0.5 vdc between pins 2D and 1E.

c. Testing Scan Heat Sink Assembly. Assemble the special test setup and connect it to the scan heat sink assembly as shown in figure 3-2. All measurements taken with a digital voltmeter.

NOTES

■ When the designated value or condition of the test is not obtained, trace the malfunctioning circuit in figure 6-16 to isolate the faulty part or assembly for replacement.

■ The pins designated in the following procedure refer to the test fixture.

(1) The scan heat sink assembly must be removed from the camera control with the wires still soldered to the connector. Refer to paragraph 3-22 for the heat sink assembly and paragraph 3-24 for the connector removal.

(2) Connect the heat sink connector to the test set connector and energize the circuits with an input of 115 ± 5 vac, 400 Hz.

(3) Set test set switch S2 to position 2 and switch S1 to position 1.

(4) Check for a maximum meter reading of 1 volt dc between pins C and D.

(5) Reset test fixture switch S2 to position 1 and adjust the current into pin P for a meter reading of 35 ±5 milliamperes. Then check the voltage across pins C and D for a reading between 72 and 58 vdc. Check the voltage across pins N and D for a minimum reading of 0.15 vdc.

(6) Set test fixture switch S2 to position 2 and switch S1 to position 2.

CAUTION

The voltage across pins A and D (ground) must never exceed +215 vdc.

(7) Adjust test set potentiometer to obtain a meter reading of 10 milliamperes. Check for a meter reading between 180 and 210 vdc across pins A and D. Check for a reading that does not exceed 1.5 millivolts across pins N and D.

3-6. Isolating Trouble Within Stage

When a trouble has been localized to a stage or a circuit, use the following procedures to identify the defective part.

a. Check the suspected transistor, or other component in the circuit to which a trouble was localized.

b. If a voltage reading was abnormal, make point-to-point continuity checks of the circuit.

Section II. REPAIRS AND ALIGNMENTS

3-7. General Parts Replacement Techniques

a. With the exception of test points, electrical contacts and the mating surface of connectors; the wiring, assemblies and parts of the plug-in board assemblies are coated with an electrical insulating compound designated as conformal coat per MIL-I-46058, Type ER (FS10006). The replacement of an assembly or part requires the removal of this coating and the procedure must be performed with care for the protection of the board and the component. Refer to *d* below for the type of coating and the solvent cleaner that is used.

b. When replacing an assembly or part, note its orientation and identify the points of electrical connections before removal.

c. Use a pencil-type soldering iron with a maximum capacity of 25 watts for soldering and unsoldering electrical connections. If an ac voltage only is available to heat the soldering iron, connect an isolating transformer between the soldering iron and the power source. Use long-nosed pliers or another form of heat sink between the solder joint and the transistor.

d. To remove a component from a printed circuit board which is covered with an electrical insulating compound coating, a soldering iron is applied to the point where the component is soldered to the board. The heat from the iron softens and penetrates the coating and melts the solder, enabling the removal of the component. When the defective component has been replaced, it must be recovered with the insulating coating, the preparation of which is described below.

e. The materials required are PC12-007M (Part A) and PC12-007M (Part B), Hysol Corporation, Olean, N. Y.

WARNING

Avoid contact of the material with skin or eyes. If contact with the eye occurs, irrigate with water and get medical attention immediately. Launder contaminated clothing before reuse.

(1) Stir part A and part B separately and warm each to a temperature that is between 113° to 122° F. (45° to 50° C).

(2) Weigh out 100 parts of part A and place in a container. Add 80 parts of part B, by weight, and mix the batch thoroughly. The pot life of the mixture is 1 1/2 hours, at room temperature.

(3) Clean the uncoated area with Chlorothene Nu, Dow Chemical Co.; or Methyl Alcohol purchased as Columbian Spirits, or with Denatured Ethyl Alcohol, purchased as Synasol.

(4) Mask test points, electrical contacts, and mating surfaces of connectors. Make certain adjustable parts are not made inoperable by the coating.

(5) Apply a coat of the compound that is between 0.001 and 0.006 inch in thickness. Fillets requiring rigidity are not subject to these dimensions.

(6) Cure the coated assembly for 4 hours at a temperature of 149° ±10° F. (65° ± 10° C).

(7) Shelf life of the material, in unopened containers and at a temperature of 77° F. (25° C.), is 6 months. Refrigeration below 20° (–6.7° C.) may extend the life to 1 year.

f. Coat the threads of attaching screws with glyptal 7526F, General Electric Co.

g. The repair and alinement procedures are grouped as follows:

(1) Body Drive, Aircraft Camera LA–411A (para 3–9).

(2) Control, Aircraft Camera LA–412A para 3–16).

(3) Panel, Control Aircraft Camera LA–413A (para 3–31).

(4) Magazine, Film LA–410A (para 3–39).

3–8. Considerations Before Disassembly

a. The exploded views which are used as reference in the removal, disassembly, reassembly, and installation procedures show all assemblies and parts removed from a component. But the step-by-step instructions of this section limit disassembly to a minimum of practicality by the removal of only those parts that are to be replaced or repaired. Disassembly for the purpose of repairing or replacing a part, should not be performed until the localization and isolation of the malfunctioning part has been established. However, in some cases such as the power supply assembly removal of the board assembly requires almost a complete disassembly of the power supply unit.

b. Reassembly and installation procedures are mostly a reversal of the disassembly and removal procedures but where dimensions, special conditions, or application of materials are to be observed, the reassembly and installation procedures include this pertinent information and must not be ignored.

3–9. Repair and Alinement of Body Drive, Aircraft Camera LA–411A Components

Procedures for the repair and alinement of the camera body assemblies and parts by direct support personnel are contained in the following paragraphs.

3–10. Removal and Installation of AEC Assembly

NOTE

> In addition to the aec mechanism, the aec assembly includes the cathode ray tube and an associated lens and mirror assembly of the adas system, the cam follower of the imc system, and the end of film switch. Maintenance at the direct support level is limited to the removal and replacement of an aec assembly from the camera body. Repairs and replacements of aec assembly components are the functions of higher maintenance personnel.

a. Removal.

(1) Remove four screws (6, fig. 3–4 (1)) attaching dust cover (5) to aec housing (24, fig. 3–4 (2)) and camera body.

(2) Disconnect the electrical connector (68, fig. 3–3 (2)) of the aec harness assembly with care to prevent damage to the pins. Rotate the two captive screws of connector (68) alternately, a trun or two at a time. This will withdraw the connector pins from the mating sockets of the camera body connector in a straight line.

(3) Remove six screws (25, fig. 3–4 (2)) securing aec assembly (24) to the camera body housing. Lift the aec assembly out of the housing vertically.

b. Installation.

(1) The installation of an aec assembly is the reverse of the removal procedures of *a* above

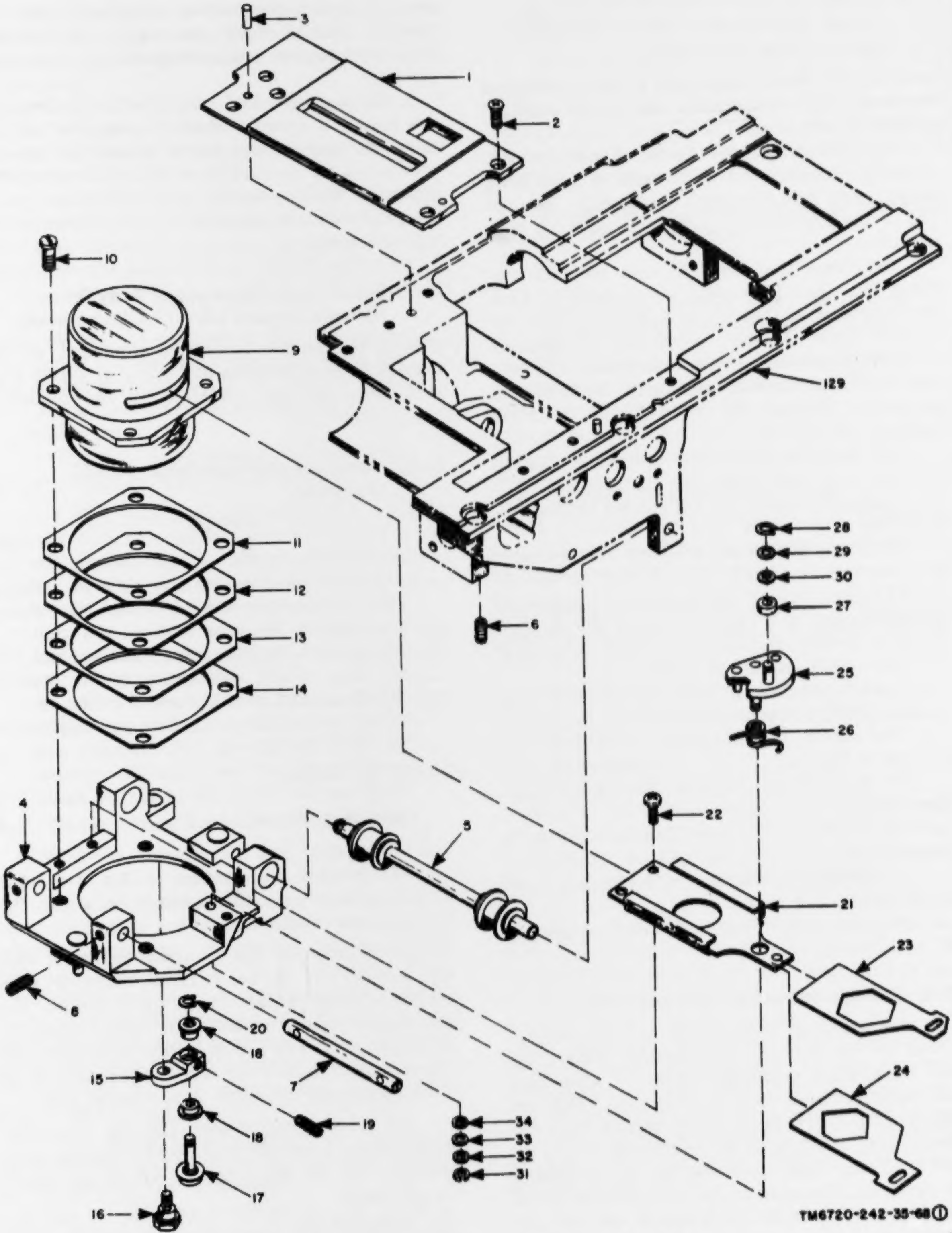

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Figure 3-3. Aec assembly, exploded view (part 1 of 4).

1 Focal plate (MP66)
2 Screw (H44-47)
3 Pin (MP59-60)
4 Carriage assy (MP41)
5 Shaft and bushing (MP88)
6 Set screw (MP82)
7 Shaft (MP89)
8 Set screw (MP80-81)
9 Lens assy (MP57)
10 Screw (H40-43)
11 Shim (MP102)
12 Shim (MP103)
13 Shim (MP104)
14 Shim (MP105)
15 Cam follower arm (MP5)
16 Screw (shoulder) (H8)
17 Cam follower (MP26-27)
18 Bearing (MP12-15)
19 Spring (MP112)
20 Retaining ring (MP68-69)
21 Diaphragm guide blade (MP52)
22 Screw (H34-38)
23 Upper diaphragm blade (MP9)
24 Lower diaphragm blade (MP8)
25 Pivot plate (MP64)
26 Spring (MP117)
27 Ball bearing (MP20)
28 Retainer ring (MP70)
29 Spacer (MP377)
30 Spacer (MP378)
31 Retainer ring (MP71)
32 Spacer (MP377)
33 Spacer (MP378)
34 Spacer (MP379)
129 Housing (MP55)

Figure 3-3(1)—Continued.

and conformity to the following special instructions.

(2) Rotate the imc shaft assembly (144, fig. 3-4 (6)) until the slot in coupling (155) is vertical and the shaft pin in the slot is pointed upward. Cam (160) on the opposite end of shaft (159) will then be positioned for insertion into the cam follower (17, fig. 3-3 (1)) on the carriage assembly (4, fig. 3-3 (1)).

(3) Hold the aec assembly as shown in figure 3-5 and lower it into the body drive housing. The two pins extending downward from the carriage must be inserted in the respective counterweight arms and the imc cam will then be inserted into the cam follower on the carriage assembly without force.

3-11. Removal and Replacement of Sensitive Switch (Puck Switch)

a. Removal.

(1) Tag and disconnect the wire leads from puck switch (43, fig. 3-4 (2)).

(2) Loosen the adjusting screw and remove screw (44) from the bracket. Remove the puck switch.

b. Replacement.

(1) Install a new puck switch on switch bracket (39) in the reverse of the removal procedures. Adhere to the following alinement instructions:

(2) See that the switch bracket (39) is mounted so that the switch actuator and the white line on the cam form a straight line (fig. 3-6). Apply glyptal (adhesive) to edge of the two switch bracket screws, overlapping slightly onto bracket surface.

(3) Adjust the switch position with the adjusting screw so that the switch is actuated when the switch actuator and the red line on the cam forms a straight line. After adjustment, apply glyptal to both puck switch adjusting screws.

3-12. Removal and Replacement of Servo Motor Friction Clutch

a. Removal.

(1) Remove aec assembly from camera body (para 3-10).

(2) Remove three screws (43, fig. 3-3 (2)) securing servo motor (44).

(3) Release motor support (55) by loosening screw (46) and nut (45).

(4) Withdraw motor.

(5) Remove friction clutch (47) from the motor shaft by removing two screws. Do not remove retaining ring (48).

b. Replacement.

(1) Install a new friction clutch on the shaft of servo motor (44). Apply glyptal 752F (GE) to the threads of attaching screws.

(2) Mount servo motor (44) in the reverse sequence of the removal procedures.

3-13. Removal and Replacement of Photocell Window

a. Removal.

(1) Remove cover assembly (7, fig. 3-4 (1)).

(2) Dissolve adhesive with methyl-ethylketone (MEK) to remove the glass (38, fig. 3-4 (2)), scrape recess clean with sharp blade.

b. Replacement

(1) Apply a coating of adhesive M6123 (U.S. Royal No. 89616) sparingly to the three edges of window glass (38).

(2) Insert the glass into the recess and press the cement into contact with the metal. Be certain no excess of cement is forced into the inside area and that the adjacent gear has ample rotational freedom.

(3) Clean both glass surfaces to permit a full penetration of light.

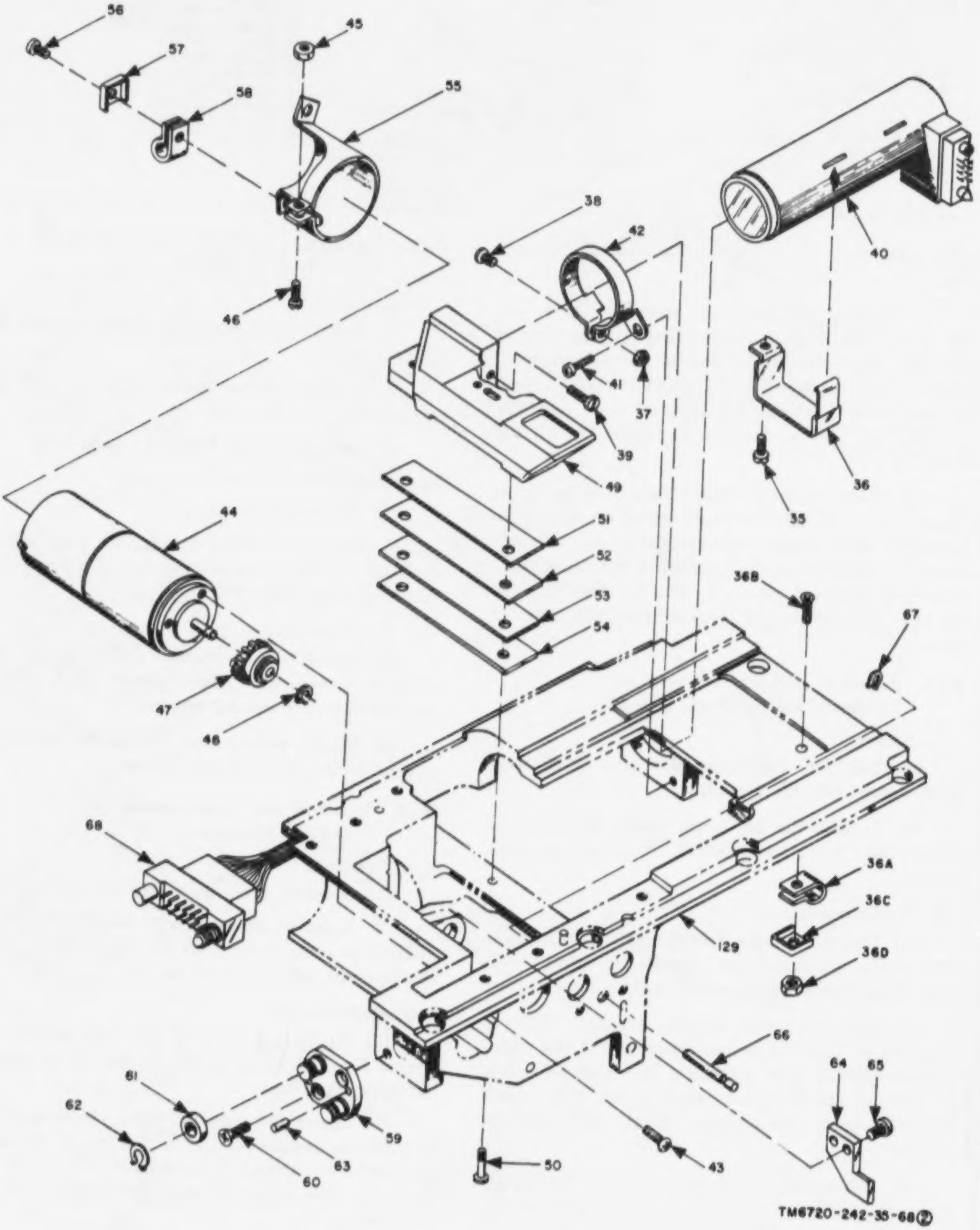
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Figure 3-3. Aec assembly, exploded view (part 2 of 4).

35 Screw (H34-38)
36 Clamp (MP42-43)
36A Clamp (MP45)
36B Screw (H28)
36C Washer (saddle) (H30)
36D Nut (H27)
37 Nut (H48-49)
38 Screw (H50-51)
39 Screw (H552)
40 RHA (ADAS) (V1)
41 Screw (H9)
42 Clamp (MP44)
43 Screw (H10-12)
44 Motor (MP51)
45 Nut (H48-49)
46 Screw (H50-51)
47 Gear and clutch assembly (MP50)
48 Retaining ring (P/O MP50)
49 Lens-mirror assy (MP56)
50 Screw (H22-26)
51 Shim (MP107)
52 Shim (MP108)
53 Shim (MP109)
54 Shim (MP110)
55 Support (MP120)
56 Screw (H553)
57 Washer (saddle) (H554)
58 Clamp (MP817)
59 Bearing plate (MP23)
60 Screw (H13-14)
61 Bearing (MP21-22)
62 Retaining ring (MP74-77)
63 Pin (MP61-62)
64 Cam stop (MP119)
65 Screw (H15-19)
66 Shaft (MP90)
67 Retaining ring (MP75)
68 Wiring harness (W1)
129 Housing (MP55)

Figure 3-3(2)—Continued.

3-14. Removal and Replacement of Photocell Assembly 1A2

a. Removal.

(1) Remove 16 screws (14, fig. 3-4 (1)), securing cover (13) to housing (198).

(2) Remove 8 screws (16) securing electrical connectors J1 and J2 to the receptacle of cover (13). Remove the two connectors and the backplate (17).

(3) The three wires from the photocell assembly (36, fig. 3-4 (2)) are color coded. As each wire is removed from connector J1, tag it with its identifying pin letter.

(4) Remove the cable clamp and break the lacing securing the photocell wires to the harness.

(5) Clench pin g of connector J1 with extracting tool MS24256 R20 and force the pin down through the connector until it is free. Tag the wire as pin g.

(6) Repeat (5) above for the removal of pin h.

(7) Repeat (5) above for the removal of pin j.

(8) Remove two screws (37) securing photocell assembly (36) to the housing.

b. Replacement.

(1) Install a photocell assembly (36) in the camera body in the reverse sequence of its removal.

(2) Check for sufficient clearance between photocell assembly (36) and adjacent gear.

(3) Coat the threads of the attaching screws with glyptal 7526F (GE).

3-15. Removal and Replacement of Recording Head Assembly and Clamps (fig. 3-3(2))

CAUTION

At the initial installation, connector 1P2 is securely tied down (fig. 3-21). Before installing the rha, the ties must be cut.

a. Removal

(1) Remove the aec assembly from the body housing (para 3-10).

(2) Remove the single screw (35) securing each clamp (36) to the housing (129).

(3) Disconnect connector 1P2 (fig. 3-21). Use care to prevent damage to the connector pins by rotating the connector mounting screws alternately one turn until the connector is free.

(4) Release the cable by removing screw (36B) and nut (36D) which secure the clamp (36A) and saddle washer (36C).

(5) Loosen the nut (37) from the screw (38), then remove the two screws (41) securing the clamp (42).

(6) Loosen the screw (39) to release the rha (40) from the lens and mirror assembly (49). Withdraw the rha carefully.

CAUTION

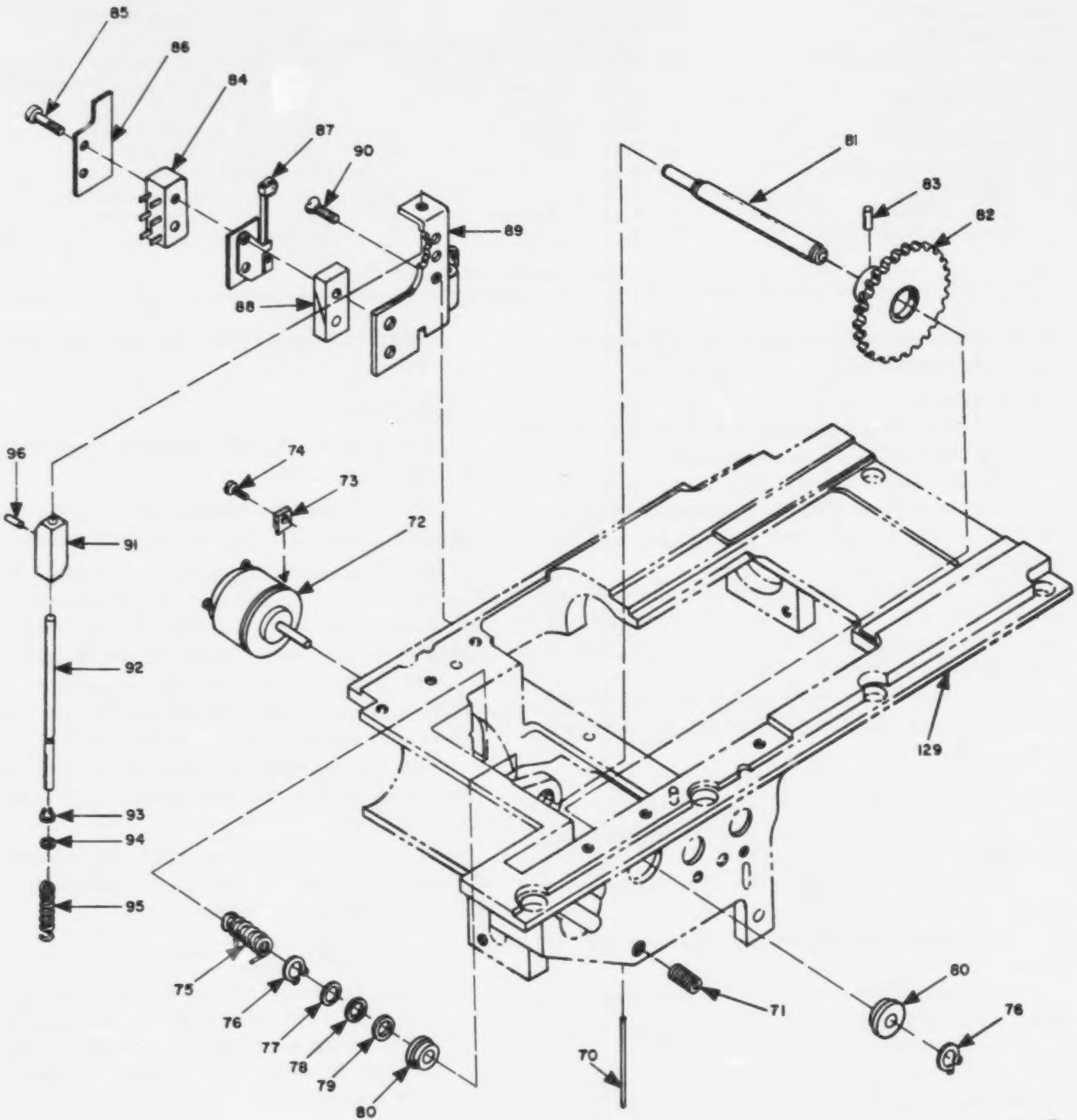
When replacing the rha, make certain that the new assembly is compatible with the data annotation system of the aircraft in which the camera is used. The assemblies and systems are as follows:

AN/AYA-5 Bowmar annotation system RHA 1214-398

AN/AYA-10 Hiller annotation system RHA 1214-418

NOTE

If not already done, a 3/8-inch portion of sleeving must be removed from the clamps (36) to prevent the tip of the clamp from pulling out of its mating slot in the rha (40). Figure 3-21 illustrates the clamps before and after the removal of the sleeving.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70	Spring (MP118)
71	Set screw (MP79)
72	Potentiometer (R1)
73	Clamp (MP47–49)
74	Screw (H31–33)
75	Spring (MP113)
76	Retaining ring (MP74–77)
77	Spacer (MP97)
78	Spacer (MP98)
79	Spacer (MP99)
80	Bearing (MP18–19)
81	Cam shaft (MP31)
82	Cam & gear assy (MP29)
83	Pin (stop) (MP30)
84	Switch, end of film (S1)
85	Screw (H555–556)
86	Plate (MP65)
87	Actuator (MP4)
88	Nut plate (MP67)
89	Bracket (MP11)
90	Screw (H54–55)
91	Actuator (MP85)
92	Shaft (MP87)
93	Retaining ring (MP72)
94	Washer (MP123)
95	Spring (MP114)
96	Pin (spirol) (MP86)
129	Housing (MP55)

Figure 3–3. Aec assembly, exploded view (part 3 of 4).

b. Replacement. Install the rha and clamps in the reverse order of removal.

CAUTION

> If the rha is not being replaced, the clamps (42, 36, and 36A, fig. 3-3 (2)) must be securely screwed down to the aec housing and the connector 1P2 must be securely tied down to prevent damage to the camera. Figure 3-21 illustrates the connector 1P2 in the tied down condition.

3-16. Repair and Alignment of Camera Control Components

Procedures for the repair and alignment of the camera control assemblies and parts by direct support personnel are contained in the following paragraphs 3-17 through 3-30. Observe normal precautions when repairing the camera control.

3-17. Removal and Replacement of Camera Control Connector Covers
(fig. 3-18)

NOTE

> A single procedure is given for removing all three electrical connector covers.

a. Removal.

(1) Remove the connector cover (22, 23, or 24) from the electrical connectors 2J1, 2J2, and 2J3.

(2) Remove the single screw (25) securing the connector cover chain to the front panel.

b. Replacement. Attach the chain of a connector cover (22, 23, or 24) to the front panel in the position shown in figure 3-8. Apply glyptal to the screw threads.

3-18. Removal and Replacement of Control Panel Shielding Gasket
(fig. 3-8)

a. Removal. Remove cover (1). Pry shielding gasket (34) from the recess in the inside face of front panel (28). Clean the recess thoroughly.

b. Replacement.

(1) Cut a strip of shielding gasket (34) on the bias and in sufficient length to encircle the recess in the back of panel (28).

(2) Apply a 1/8-inch dab of epoxy adhesive in each of the four corners and the approximate centers of the recess.

(3) Start the installation of the shielding gasket at the vertical center of the recess and press it into the dab of epoxy adhesive. Apply a second dab of epoxy adhesive under the terminating end of the gasket, which should butt against the starting end.

3-19. Removal and Replacement of Scan Board Assembly
(fig. 3-8)

a. Removal.

(1) Remove cover (1).

(2) Remove scan board assembly (6) by withdrawing it straight out to disengage the contacts from the mating connector without damage. A wire device that will hook into the hole that is in each rear corner of the board assembly can be easily contrived and it will reduce the possibility of damage to parts.

b. Replacement.

(1) Install the scan board assembly in the bottom slide of the Control, Aircraft Camera LA-412A chassis with the component side of the board facing down.

(2) A further check of the orientation should be made by coordinating the index in the electrical contacts of the board with the position of the index key in the electrical connector, into which the board is inserted. Then press the board into place.

(3) Make certain the board is fully and squarely seated in the mating electrical connector.

3-20. Removal and Replacement of Control Board Assembly
(fig. 3-8)

a. Removal. The procedures for removing the control board assembly are identical to the removal of the scan board assembly (para 3-19*a*).

b. Replacement. Replace a control board assembly by following the procedures of paragraph 3-19*b*, except that the control board assembly is installed in the center slide of the chassis and with the component side facing up.

3-21. Removal and Replacement of AEC Board Assembly
(fig. 3-8)

a. Removal. The procedures for removing the aec board assembly are identical to the removal of the scan board assembly (para 3-19*a*).

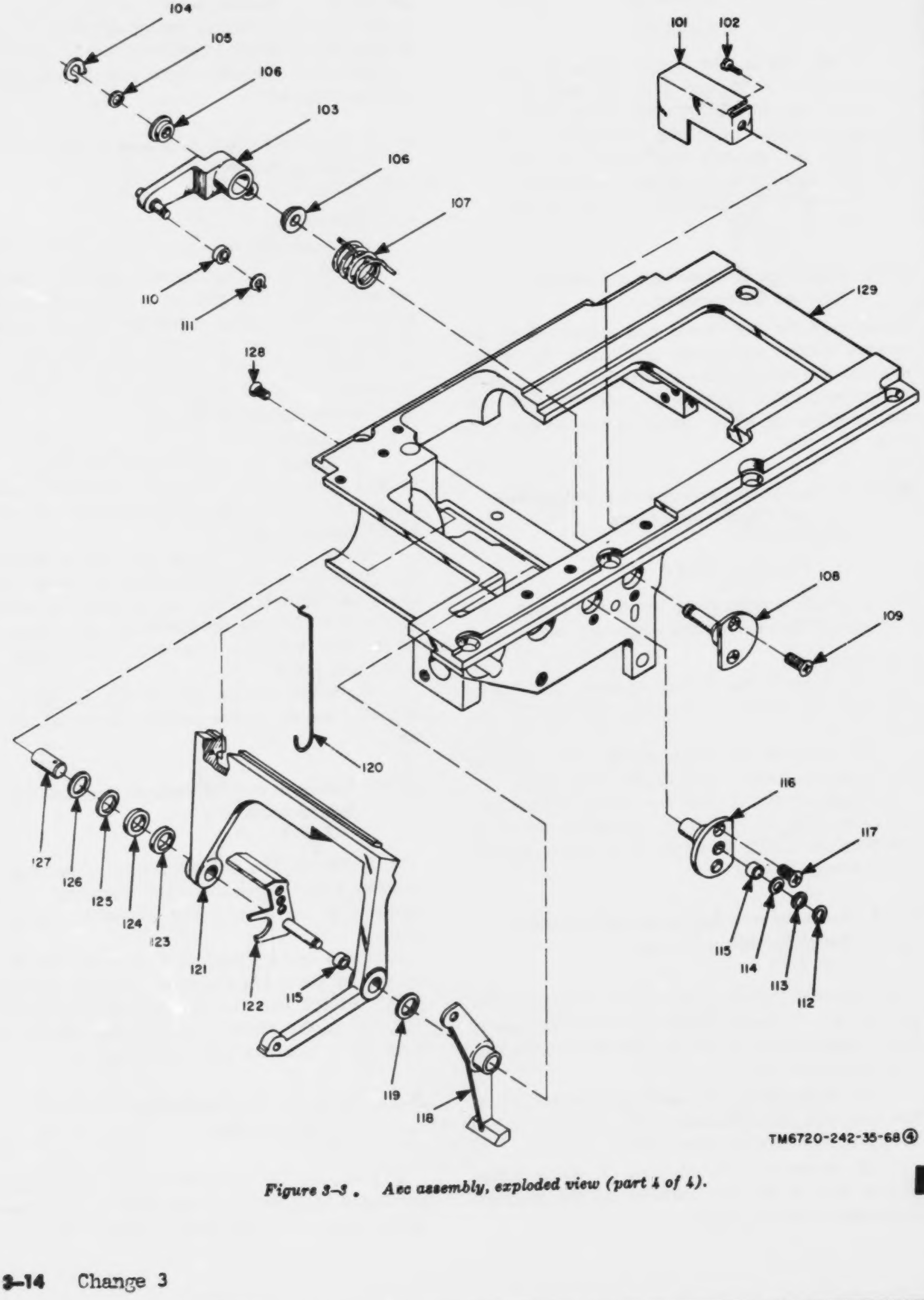
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Figure 3-3. Aec assembly, exploded view (part 4 of 4).

101	Light baffle (MP6)
102	Screw (H20)
103	Capping link (MP32)
104	Retaining ring (MP73)
105	Spacer (laminated) (MP100)
106	Bearing (MP16–17)
107	Spring (MP112)
108	Trunnion (capping link) (MP122)
109	Screw (H56–57)
110	Bearing (MP20)
111	Retaining ring (MP38)
112	Retaining ring (MP68–72)
113	Spacer (MP377)
114	Spacer (MP378)
115	Bushing (MP24–25)
116	Trunnion (shutter blade) (MP121)
117	Screw (H58–59)
118	Diaphragm link (MP58)
119	Spacer (MP111)
120	Spring (MP115)
121	Shutter blade (MP10)
122	Capping blade (MP7)
123	Spacer (MP92)
124	Spacer (MP93)
125	Spacer (MP94)
126	Spacer (MP95)
127	Stud (MP63)
128	Screw (self-locking) (MP83)
129	Housing (MP55)

Figure 3–8(4)—Continued.

b. Replacement. Replace an aec board assembly by following the procedures of paragraph 3–19*b*, except that the aec board assembly is installed in the top slide of the chassis and with the component side facing down.

3–22. Removal and Disassembly of Scan Heat Sink Assembly

a. Removal (fig. 3–8).

(1) Remove the aec board assembly (4), control board assembly (5), and scan board assembly (6).

(2) Remove nut (12), saddle washer (13), screw (4), and clamp (15) securing the harness to the front panel. Break the harness lacing.

(3) Remove the two screws (10) and washers (11) securing electrical connector (9).

(4) Remove the four screws (17) securing the heat sink assembly (16) to subchassis (36).

(5) If isolation of a malfunctioning part is required before disassembly, refer to paragraph 3–5 for the test procedures.

b. Disassembly (fig. 3–9).

(1) As the disassembly of the heat sink is obvious, no detail procedures, except the following, are described.

(2) Before disconnecting an electrical part, tag each wire so that correct reconnection can be made.

3–23. Reassembly and Installation of Scan Heat Sink Assembly

a. Reassembly (fig. 3–9).

(1) Reassemble the scan heat sink assembly to the extent parts were removed and conform to the following special instructions.

(2) Apply silicone grease, DC340 to the contacting surfaces of the heat sink (7) and the following listed parts:

Mica washer (11) of diodes VR1 and CR1 through CR4 (8).
Mica washer (3) of transistor Q1 (1).

(3) Apply glyptal to the threads of attaching screws.

(4) When assembling rectifiers CR1 through CR4 and voltage regulator VR1, torque the nuts between 10 inch/pounds, minimum and 13 inch/pounds, maximum.

(5) When assembling transistor Q1 torque the nut between 25 inch/pounds, minimum and 30 inch/pounds, maximum.

(6) Connect the components with No. 20 AWG, Type S, tempered soft or drawn and annealed, tin coated wire. Cover with insulation sleeving No. 20 AWG. The connection points are as follows (fig. 6–34):

From	*To*
CR1–A	CR2–C
CR2–C	E1 (R1)
CR3–A	CR4–C
CR1–C	CR3–C
CR3–C	VR1–C
VR1–C	Q1–C
VR1–A	E3 (R2)
E4(R2)	Q1–E
CR2–A	CR4–A

b. Installation (fig. 3–8). Installation of the heat sink assembly is a reversal of the removal procedures of paragraph 3–22*a*.

3–24. Removal and Replacement of Heat Sink Electrical Connector
(fig. 3–8)

a. Removal.

(1) Tag and remove wires from connector P8 (9).

(2) Remove two screws (10) and washers (11) securing connector (9) to the bracket (29).

(3) Remove the bracket (29) by removing the two screws (30).

b. Replacement.

(1) Rewire connector P8(9).

(2) Complete the installation in the reverse sequence in which the parts were removed. Apply glyptal to the threads of the attaching screws.

3–25. Removal and Disassembly of Power Supply Assembly

a. Removal (fig. 3–8).

(1) Remove the aec board assembly (4), control board assembly (5), and scan board assembly (6) from the subchassis (36) to prevent damage.

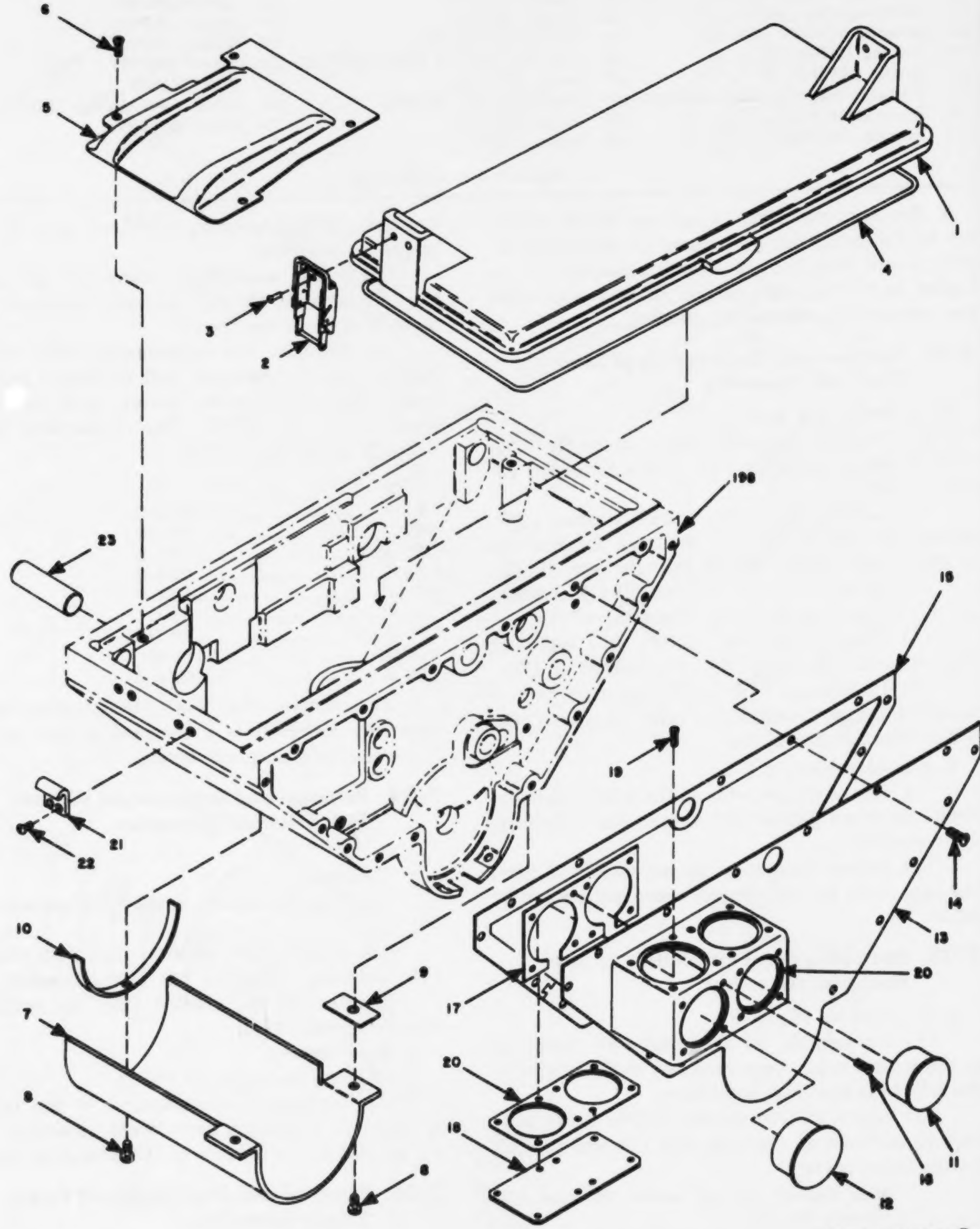
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Figure 3-4. *Body, exploded view (part 1 of 6).*

1	Dust cover (transit body cover) (MP181)	13	Cover (MP185)
2	Catch (luggage catch) (MP179–180)	14	Screw (H103–124)
3	Rivet (H95–98)	15	Gasket (shielding gasket) (MP188)
4	Gasket (MP182)	16	Screw (H164–171)
5	Cover (MP183)	17	Nut plate (MP258)
6	Screw (H99–102)	18	Cover (MP265)
7	Cover (prism cover) (MP268)	19	Screw (H176–185)
8	Screw (MP272–274)	20	Gasket (MP186–187)
9	Gasket (MP269–270)	21	Strike (MP400–403)
10	Gasket (MP271)	22	Screw (H125–126)
11	Dust cap (MP169)	23	Pin (MP263)
12	Dust cap (MP170)	198	Housing (MP204)

Figure 3-4(1)—Continued.

(2) Remove the four screws (8) from the underside of chassis (36) and withdraw the power supply assembly (7) from the mating connector.

(3) If malfunctioning has not been isolated to a part, refer to paragraph 3–5 and perform the test procedures before disassembly.

b. Disassembly (fig. 3–10).

NOTE

Before removing an electrical part, note its orientation and tag the connection points.

(1) Remove four screws (2), lockwashers (3), and flatwashers (4) attaching the two covers (1) to the assembled angles (6 and 7). Separate the angles. A pad (5) is cemented to the inside of each cover (1) and unless damaged need not be disassembled.

(2) Remove screw (9) and saddle washer (10) attaching cable clamp (11) to angle (7). This will give leeway to harness (8).

(3) From the outer surface of angle (6) remove the two screws (13) attaching transformer (12) and transformer (14).

(4) Remove four screws (13) attaching power supply board assembly (16) to the two bars (15), attached to angle (6). Withdraw the board assembly.

(5) Position the board assembly (16) with the wiring side facing up and indicate the connection point on each wire. Then unsolder the wires from the connection points on the board assembly (16).

3–26. Reassembly and Installation of Power Supply Assembly

a. Reassembly (fig. 3–10).

(1) Reassemble the power supply assembly in reverse of the disassembly procedures described in paragraph 3–25*b* above and in accordance with the following special instructions.

(2) The positioning of the board assembly (16) on angle (6) is critical and the dimensions shown in figure 3–11 must be maintained.

(3) The positioning of the two bars (15, fig. 3–10) on angle (6) will govern the positioning of the board horizontally. The slots through which the attaching screws are threaded into the bars permit the adjustments needed to obtain the designated vertical dimension.

(4) Mount the two bars (15) on angle (6) but do not tighten the screws. Position the board over the bars and thread screws (13) into the bars from the underside of angle (6). Do not fully tighten the screws.

(5) Adjust the board to comply with the 0.905-inch dimension shown in figure 3–11. The holes through which screws (13, fig. 3–10) are threaded into bars (15) are oversized to permit movement. When the measurement has been obtained, tighten screws (13).

(6) Readjust the board until it extends beyond angle (6) a distance of 0.336 inch and its elevation in the slot complies with the 0.462-inch dimension shown in figure 3–11.

(7) Tighten the four screws (13, fig. 3–10) and recheck the dimensions.

(8) Test the reassembled power supply assembly as described in paragraph 3–5.

b. Installation of Power Supply Assembly (fig. 3–8).

(1) Install the power supply assembly in the reverse sequence of the removal procedures of paragraph 3–25*a*.

(2) Coat the bottom of the power supply housing and the contacting area of the chassis with silicone grease.

(3) Coat the threads of the attaching screws with glyptal.

3–27. Removal and Replacement of Ac and Dc Circuit Breakers
(fig. 3–8)

NOTE

A single procedure is given for the removal and replacement of both circuit breakers.

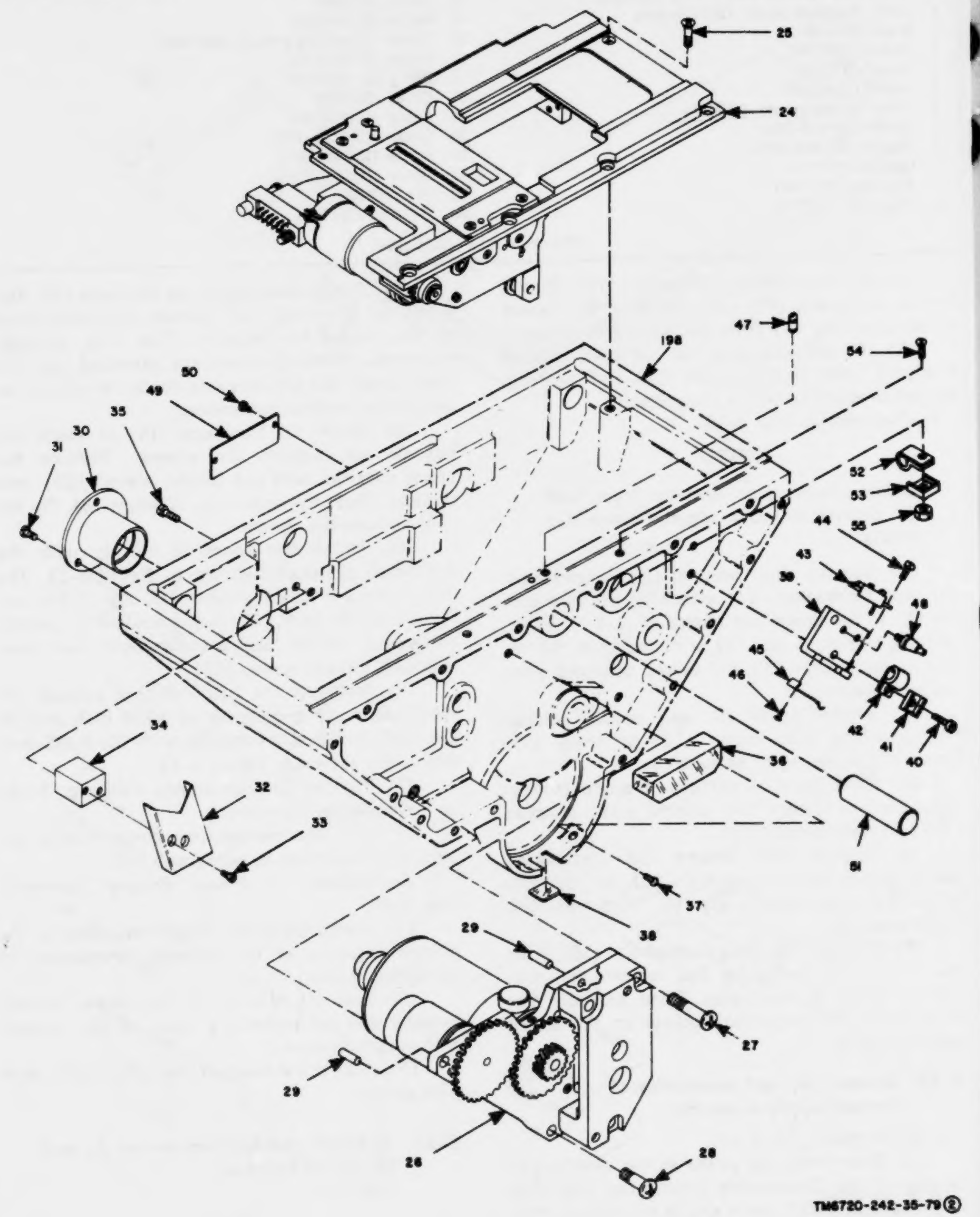
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Figure 3-4. Body, exploded view (part 2 of 6).

24	AEC Assembly (1A1A1)
25	Screw (H2–H7)
26	Assembly, motor, gears, and tachometer-generator (1A1A3)
27	Screw (H150)
28	Screw (M144–145)
29	Pin (MP814–815)
30	Motor support (MP404)
31	Screw (H87–H89)
32	Shield (MP362)
33	Screw (H208–209)
34	Block (MP126)
35	Screw (H550–551)
36	Photo cell assembly (1A1A2)
37	Screw (H131–132)
38	Window (MP410)
39	Bracket (MP128)
40	Screw (H548)
41	Washer (H549)
42	Clamp (MP816)
43	Puck switch (S1)
44	Screw (H214)
45	Actuator (MP1)
46	Screw (H1)
47	Pin (MP264)
48	Terminal (E3–E4)
49	Identification plate (MP266)
50	Screw (H176–185)
51	Pin (MP263)
52	Clamp (MP173–175)
53	Washer (H80–82)
54	Screw (MPH77)
55	Nut (H75–76)
198	Housing (MP204)

Figure 3–4(2)—Continued.

a. Removal.

(1) Loosen the captive screw (2), washer (3), and dzus fastener securing the cover assembly (1) to the chassis assembly (36).

(2) Pull out the aec board assembly (4), control board assembly (5) and scan board assembly (6) from chassis assembly (36) to prevent damage.

(3) Remove the two screws (10) and washers (11) securing the electrical connector (9). Remove nut (12), saddle washer (13), screw (14) and clamp (15) securing the harness to the front panel.

(4) Remove the four screws (17) securing the heat sink assembly (16) to the chassis assembly (36). Support the heat sink assembly after its removal to prevent excessive strain on the wire connections.

(5) Disconnect the wire leads from the circuit breaker terminals.

(6) Remove nut (20) and washer (21) securing the circuit breaker (18 or 10) to the front panel.

(7) Withdraw the circuit breaker from the front panel.

b. Replacement.

(1) Attach a new circuit breaker to the front panel of the camera control in the reverse sequence the parts were removed. Apply glyptal to the threads of the attaching screws.

(2) Reinstall the heat sink assembly (16), the plug-in scan board assembly (6), control board assembly (5), and aec board assembly (4), and attach electrical connector (9) and clamp (15).

(3) Attach the camera control cover (1) and secure with captive screw and dzus fastener.

3–28. Removal and Disassembly of Interconnecting Board Assembly

a. Removal (fig. 3–8).

(1) Remove the aec (4), control (5), and scan board (6) assemblies from subchassis (36). Remove power supply assembly (para 3–25).

(2) Remove heat sink electrical connector (para 3–24*a*, except step (1)).

(3) Remove heat sink assembly (para 3–22).

(4) Remove connector covers (para 3–17).

(5) Remove the three remaining screws (25) securing each electrical connector to the front panel (28).

(6) Remove interconnecting board assembly (35) from the three posts which attach it to panel (28) by removing three screws (26). Two of the attaching screws are located below electrical connector J7 at the outer edges of the board. The third screw is located in the lower center of the board. Remove the board. The three post remain attached to interconnecting board assembly (35).

b. Disassembly of Interconnecting Board Assembly (fig. 3–12).

(1) Remove two posts (1) by removing screws (2) and washers (3).

(2) Remove post (4) by removing screw (5) and washer (6).

NOTE

Although connectors 2J1(7), 2J2(11), and 2J3(9) are dissimilar, the procedure for the removal of contacts from all three are basically the same.

(3) Unsolder the wires from interconnecting board assembly (13).

(4) Using extracting tool MS24256–R20, push the contacts out of the connector, from the front.

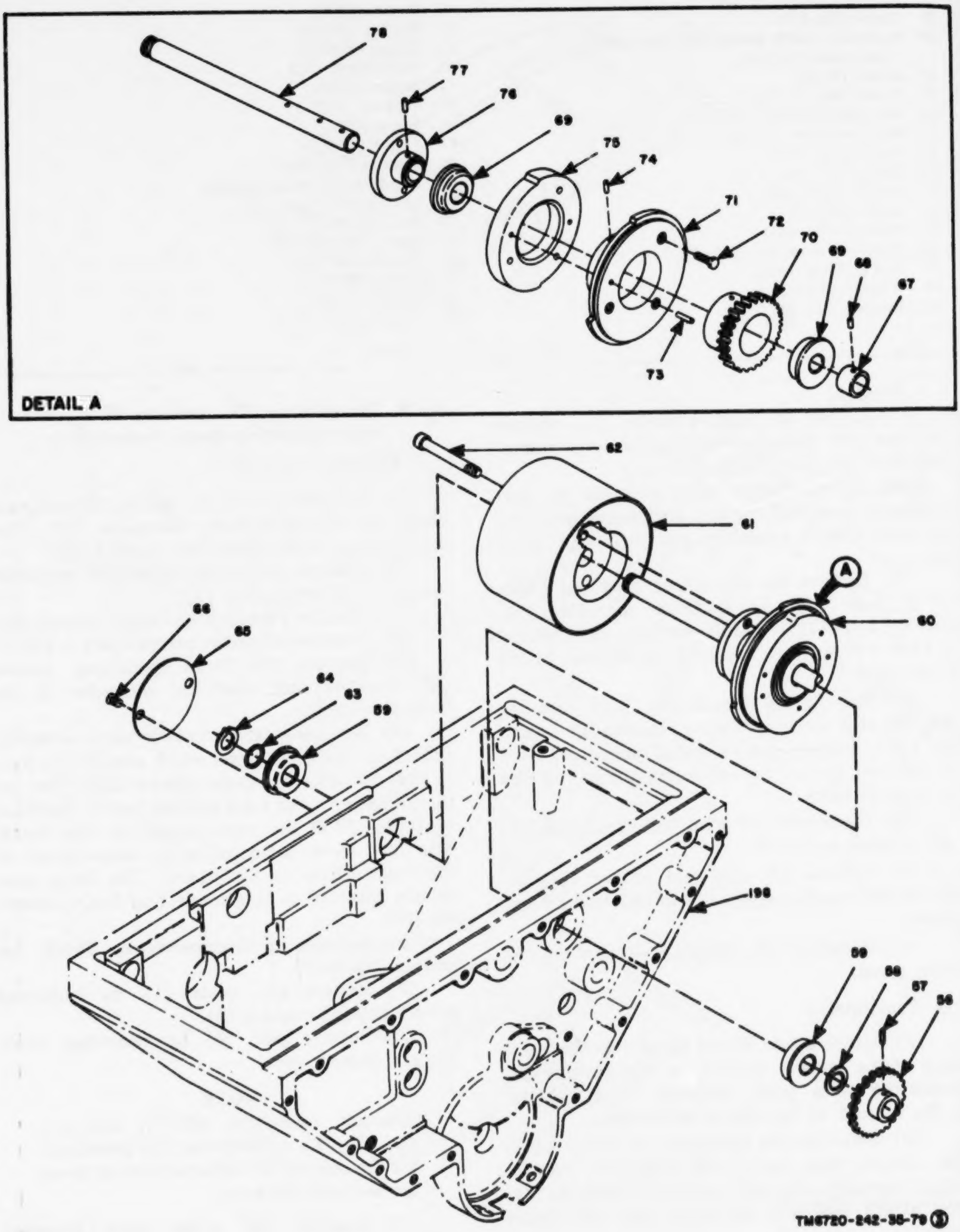
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Figure 3-4. Body, exploded view (part 3 of 6).

56	Gear (MP162)
57	Pin (MP163)
58	Shim (MP167)
59	Bearing (MP148–149)
60	Cam and gear shaft assembly (MP150)
61	Puck (MP329)
62	Screw (H202–203)
63	Shim (MP364)
64	Retaining ring (MP337)
65	Cover (MP177)
66	Screw (H93–94)
67	Spacer (MP168)
68	Pin (MP163)
69	Bearing (MP152–153)
70	Gear (MP158)
71	Gear (MP156)
72	Screw (H44–46)
73	Pin (MP161)
74	Pin (MP61)
75	Cam (MP157)
76	Adapter (MP151)
77	Pin (MP813)
78	Shaft (MP166)
198	Housing (MP204)

Figure 3–4(2)—Continued.

3–29. Reassembly and Installation of Interconnecting Board Assembly

a. Reassembly (fig. 3–12).

(1) Reassemble electrical connectors 2J1 (7), 2J2 (11), and 2J3 (9) as follows. Assembly of the remaining parts is obvious.

(2) To facilitate their connection to the board assembly, it is recommended that new wires be cut in 8-inch lengths.

(3) Subparagraphs (9), 10), and (11) below, list pin designations, wire sizes, and the size and length of insulation tubing for the respective electrical connectors. All wires are bus type.

(4) Insert a wire of designated AWG size into a contact and after checking the proper seating of the wire, through the inspection hole in the contact, secure the assembly with crimping tool MS3191-1.

(5) Insert the contact through the grommet from the rear of the connector, using inserting tool MS24256A20. A slight click will be felt when the contact is properly seated in the connector. When wiring connector 2J1, note that a different size wire is designated for contacts *m* and *r*.

(6) When connector is completely wired, cut the insulation tubing to size and slide tubing all the way to the connector on each wire. Pass the entire bundle of wires from each connector through the appropriate nutplate (8, 10, or 12).

(7) See that the side without components, of the interconnecting board, (13) faces the connector. Being sure that the wires pass through the nutplate, insert the wires from the connector through the assigned connection points of the interconnecting board. Maintain a dimension of 0.020 + 0.005 inch between the face of the mounting flange of a connector and the face of two posts (1) and one post (4). Solder the wires to the interconnecting board connections and cut off the excess lengths of wire.

(8) Repeat (4) through (7) above to wire all three connectors as designated in (9), (10), and (11) below.

(9) *Wiring data for connector 2J1 of the camera control.*

*Connector and pin designation**	*AWG wire size*	*Insulation tubing*	
		AWG size	*Length (in.)*
J1–A	No. 20	18	7/16
J1–C	No. 20	18	7/16
J1–E	No. 20	18	7/16
J1–G	No. 20	18	7/16
J1–J	No. 20	18	7/16
J1–L	No. 20	18	7/16
J1–N	No. 20	18	7/16
J1–R	No. 20	18	7/16
J1–T	No. 20	18	7/16
J1–V	No. 20	18	7/16
J1–Y	No. 20	18	7/16
J1–Z	No. 20	18	7/16
J1–a	No. 20	18	7/16
J1–e	No. 20	18	7/16
J1–g	No. 20	18	7/16
J1–h	No. 20	18	7/16
J1–j	No. 20	18	7/16
J1–m	No. 16	14	7/16
J1–n	No. 20	18	7/16
J1–p	No. 20	18	7/16
J1–r	No. 16	14	7/16

* Pin letters that are not listed are spares.
Use bare bus wire in the AWG sizes designated.

(10) *Wiring data for connector 2J2 of the camera control.*

*Connector and pin designation**	*AWG wire size*	*Insulation tubing*	
		AWG size	*Length (in.)*
J2–A	No. 20	18	5/16
J2–C	No. 20	18	5/16
J2–E	No. 20	18	5/16
J2–G	No. 20	18	5/16
J2–J	No. 20	18	5/16
J2–L	No. 20	18	5/16
J2–N	No. 20	18	5/16
J2–P	No. 20	18	5/16
J2–S	No. 20	18	5/16
J2–T	No. 20	18	5/16
J2–U	No. 20	18	5/16
J2–V	No. 20	18	5/16
J2–W	No. 20	18	5/16
J2–X	No. 20	18	5/16
J2–Y	No. 20	18	5/16
J2–Z	No. 20	18	5/16
J2–b	No. 20	18	5/16
J2–c	No. 20	18	5/16

* Pin letters that are not listed are spares.
Use bare bus wire in the AWG sizes designated.

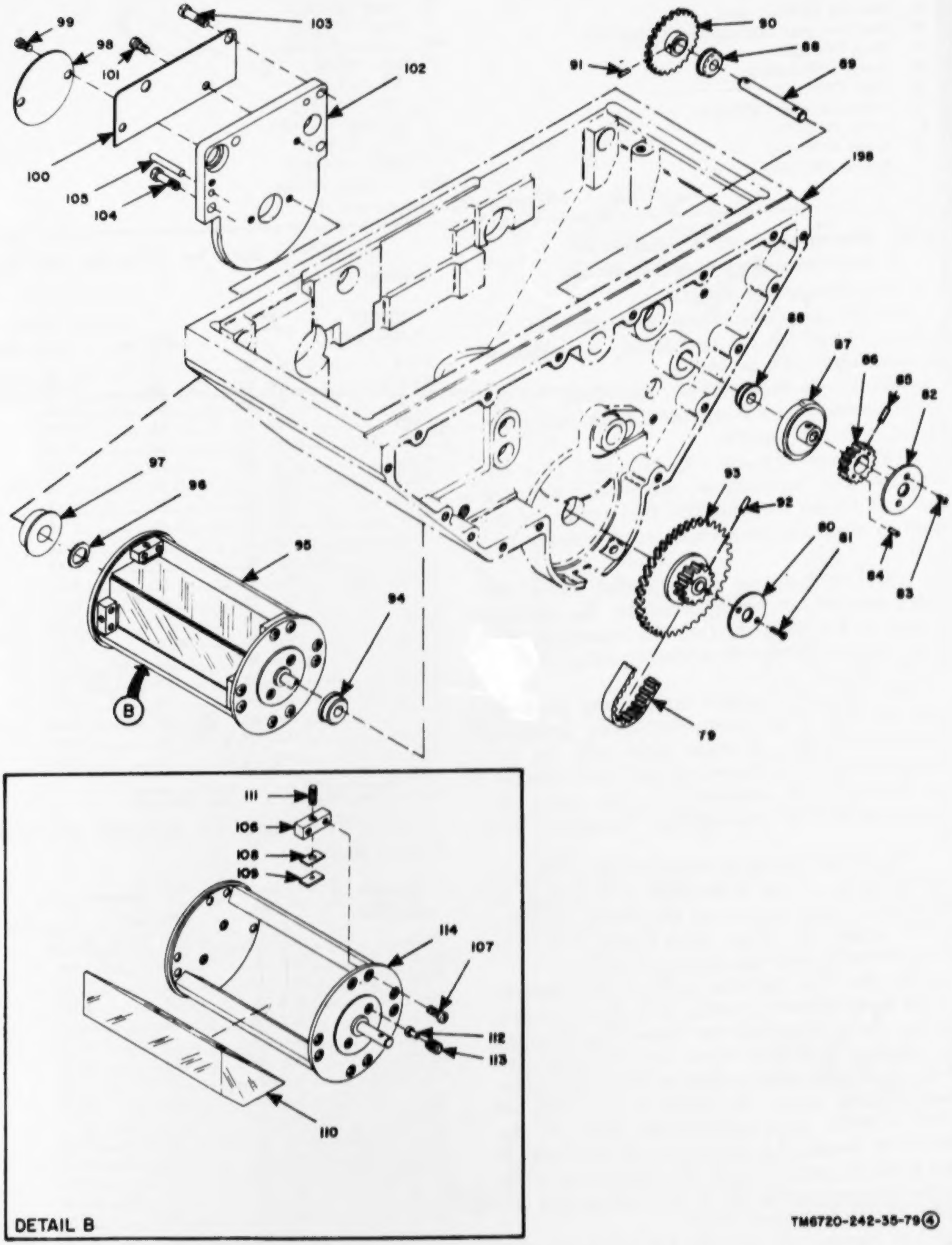
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Figure 3-4. Body, exploded view (part 4 of 6).

79 Belt (MP125)
80 Flange (MP189)
81 Screw (H127)
82 Flange (MP190)
83 Screw (H128)
84 Pin (MP672)
85 Pin (MP393)
86 Gear (MP399)
87 Cam (MP397)
88 Bearing (MP136–145)
89 Shaft (MP395)
90 Gear (MP392)
91 Pin (MP394)
92 Pin (MP386)
93 Gear (MP277)
94 Bearing (MP129)
95 Prism and gear assembly (MP275)
96 Shim (MP363)
97 Bearing (MP154)
98 Cover (MP176)
99 Screw (H83–84)
100 Cover (MP203)
101 Screw (H85–86)
102 Bracket (MP202)
103 Screw (H142)
104 Screw (H143)
105 Pin (MP811)
106 Holder (MP283–290)
107 Screw (H2)
108 Pad (MP291–298)
109 Prism pad (MP321–328)
110 Prism (MP299–300)
111 Setscrew (MP313–320)
112 Bumper (MP305–308)
113 Ring (MP309–312)
114 Cage (MP282)
198 Housing (MP204)

Figure 3-4(4)—Continued.

(11) *Wiring data for connector 2J3 of the camera control.*

*Connector and pin designation**	*AWG wire size*	*Insulation tubing*	
		AWG size	*Length (in.)*
J3-A	No. 20	18	3/8
J3-B	No. 20	18	3/8
J3-D	No. 20	18	3/8
J3-E	No. 20	18	3/8
J3-F	No. 20	18	3/8
J3-H	No. 20	18	3/8
J3-J	No. 20	18	3/8
J3-K	No. 20	18	3/8
J3-M	No. 20	18	3/8
J3-N	No. 20	18	3/8
J3-P	No. 20	18	3/8
J3-R	No. 20	18	3/8
J3-S	No. 20	18	3/8
J3-T	No. 20	18	3/8
J3-U	No. 20	18	3/8

*Pin letters that are not listed are spares.
Use bare bus wire in the AWG sizes designated.

b. Installation (fig. 3-8).

(1) The front panel (28) must be removed from chassis (36).

(2) If connector (9) is still in place, remove two screws (10) and washers (11) securing it to bracket support (29).

(3) Place a gasket (31, 32, or 33) on the respective electrical connector and assemble front panel (28) and interconnecting board assembly (35) to the attaching three standoff posts. The three electrical connectors should extend through front panel (28) with all gaskets correctly positioned.

(4) Aline the four holes in nutplate (8, 10, or 12, fig. 3-12) with the mounting holes of the front panel and secure each connector with three screws (25, fig. 3-8). There must be no tension or excessive slack in the wires between a connector and the interconnection board terminations. Also, each wire must be fully covered with insulation tubing.

(5) Install covers (22, 23, and 24, fig. 3-8).

(6) Insert the assembled front plate (28) and terconnecting panel assembly (35) and secure sis (36). Secure the front panel to the chassis with four screws (27).

(7) Press connector (9) into contact with interconnecting panel assembly (35) and secure connector (9) to bracket (29) with two screws (10) and washers (11).

(8) Slide aec board assembly (4), control board assembly (5), and scan board assembly (6) into place in subchassis (36). Install power supply assembly (para 3-26) and heat sink assembly (para 3-23).

3–30. Removal and Replacement of Handle and Identification Plate
(fig. 3-8)

a. Removal.

(1) Remove the two screws (38), and **washers** (39), securing handle (37) to the front panel (28).

(2) Remove the identification plate (40) by removing two screws (41).

b. Replacement.

(1) Attach handle (37) to the front panel with two screws (38) and washers (39). Apply glyptal to the screw threads.

(2) Attach the identification plate (40) to the front panel (28) using two screws (41).

3–31. Repair and Alignment of Control Panel Components

a. Procedures for the repair and alignment of assemblies and parts of the control panel by di-

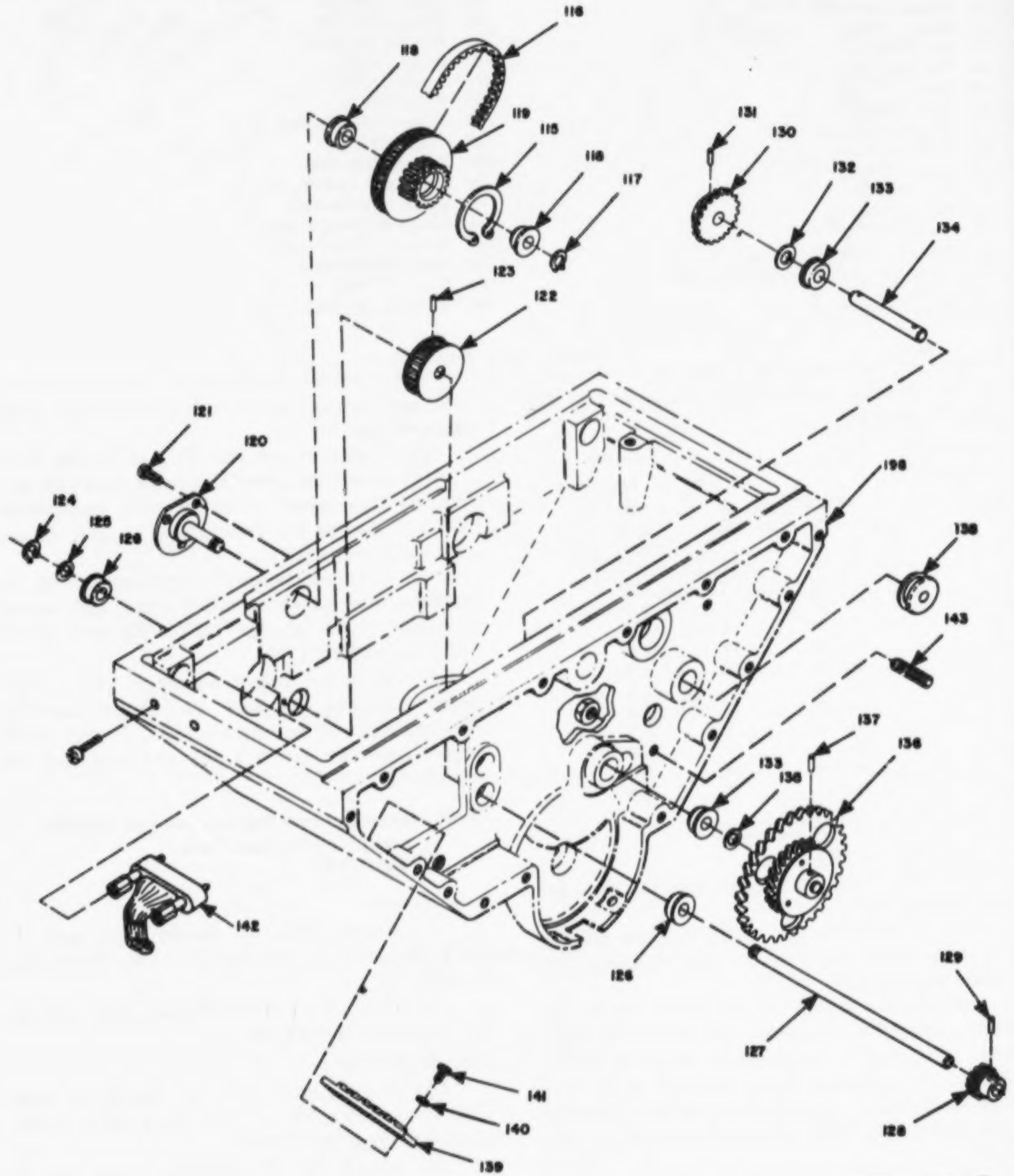
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Figure 3-4. Body, exploded view (part 5 of 6).

115	Retaining ring (MP338)
116	Belt (MP124)
117	Retaining ring (MP335)
118	Bearing (MP136-137)
119	Linkage gear (MP383)
120	Trunnion (MP406)
121	Screw (H39)
122	Pulley (MP389)
123	Pin (MP280)
124	Retaining ring (MP336)
125	Shim (MP366)
126	Bearing (MP138-139)
127	Shaft (MP388)
128	Pinion (MP385)
129	Pin (MP195)
130	Gear (MP193)
131	Pin (MP352)
132	Shim (MP367)
133	Bearing (MP147)
134	Shaft (MP196)
135	Spacer (MP94)
136	Gear assembly (MP192)
137	Pin (MP194)
138	Grommet (MP199)
139	Terminal block (TB1)
140	Washer (H69)
141	Screw (H23)
142	Harness (W1)
143	Screw (MP341)
198	Housing (MP204)

Figure 3-4(5)—Continued.

rect support personnel are contained in paragraphs 3-32 through 3-38.

b. The removal of the lighting plate (para 3-32) is necessary to gain access to the nuts and screws securing the various switches, indicators, and frames remaining counter to subassembly backing plate.

3-32. Removal and Replacement of Faceplate (fig. 3-13)

a. Removal. Remove the four screws (2) securing the faceplate (1) to backing plate (14). The location of the electrical connector J3 is indicated by a cross mark on the face of the faceplate. Separate the connectors with care when removing the faceplate.

b. Replacement. The procedures for installing the faceplate are the reverse of the removal procedures.

3-33. Removal, Replacement, and Disassembly of Interface Board Assembly (fig. 3-13)

a. Removal.

(1) Remove cover (3) by loosening two captive screws (53).

(2) Remove four screws (4), flat washers (5), and lockwashers (6) securing interface board assembly (7) to chassis (8).

(3) Withdraw the board assembly to disengage the contacts from connector 3J4 (9).

b. Replacement.

(1) Install interface board assembly (7) in reverse order of the removal procedure.

(2) Apply silicone grease on the mounting surface of the board assembly (7) and the chassis angle on which the board rests. Coat the screw threads with glyptal.

c. Disassembly. Disassemble the interface board assembly as shown in figure 3-14.

3-34. Removal and Replacement of Extra Picture Switch S5 (fig. 3-13)

a. Removal.

(1) Remove cover (3) by loosening two screws (53).

(2) Remove faceplate (1) (para 3-32).

(3) Loosen nut (11), inside the chassis.

(4) Rotate pushbutton (13) counterclockwise, by hand, to detach it from the switch (10). Remove switch and lockwasher (12).

(5) Tag for identification and then unsolder the three wires connected to the switch terminals.

b. Replacement.

(1) Solder a jumper, consisting of Type S, No. 22 AWG, tempered soft or drawn and annealed tin coated wire, across switch terminals 2 and 3.

(2) Solder the three wires to the switch terminals as designated on the tags attached at the time of the switch removal.

(3) Thread nut (11) on switch (10), slide on lockwasher (12), and insert the switch through backing plate (14).

(4) Thread pushbutton actuator (13) on the switch (10) and hand tighten it until it is flush with backing plate (14). Then tighten nut (11) inside the chassis until switch is held securely in place.

3-35. Removal and Replacement of POWER Switch S1, OPERATE Switch S2, and V/H SEL Switch S3 (fig. 3-13)

The removal procedures of toggle switches (15, 20, and 21) are identical except for the wiring.

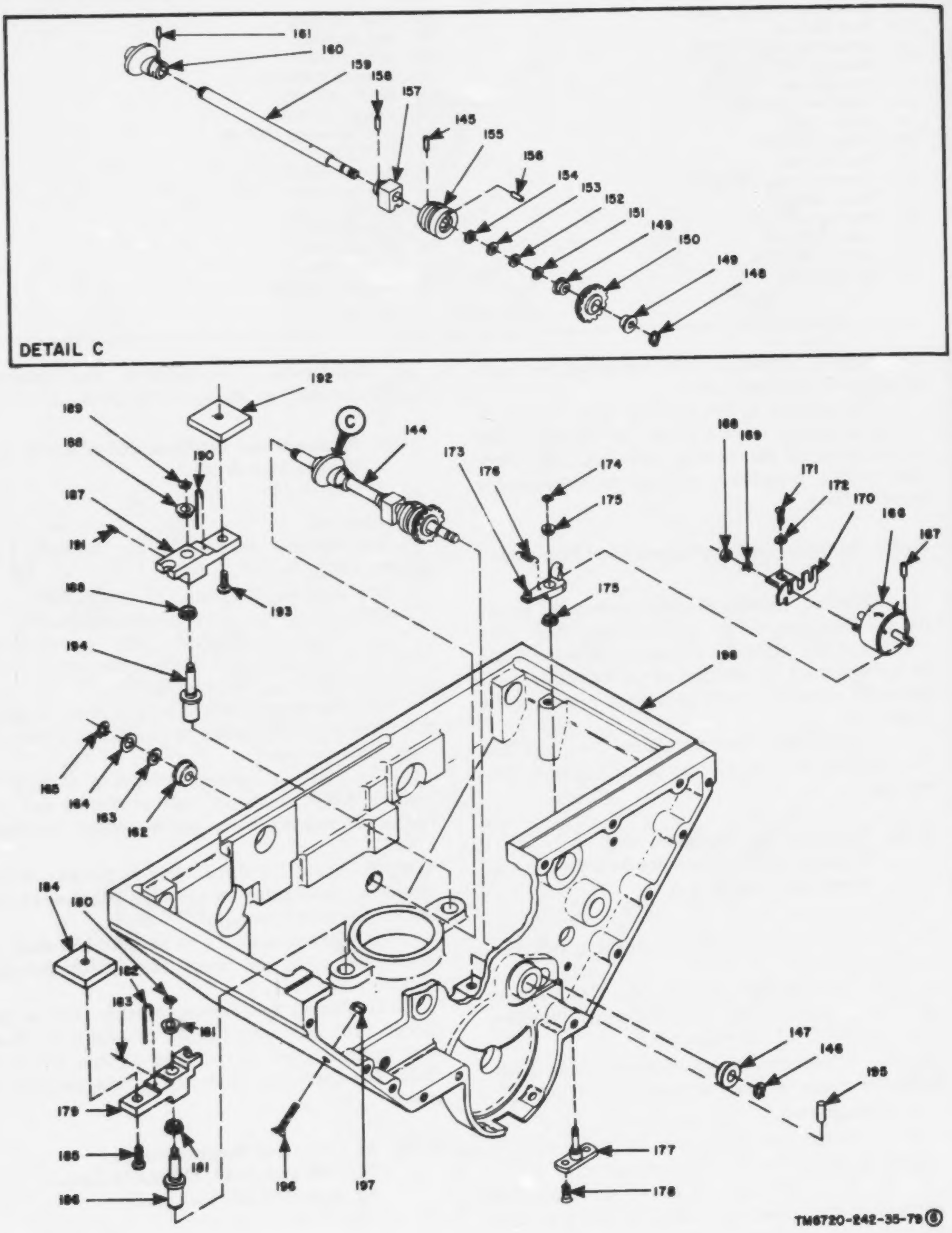
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Figure 3-4. Body, exploded view (part 6 of 6).

144 IMC shaft assembly (MP342)
145 Pin (MP351)
146 Retaining ring (MP75)
147 Bearing (MP147)
148 Retaining ring (MP76)
149 Bearing (MP132–135)
150 Gear (MP350)
151 Spacer (MP357)
152 Spacer (MP358)
153 Spacer (MP359)
154 Spacer (MP360)
155 Coupling (MP348)
156 Pin (MP349)
157 Drag brake (MP343)
158 Pin (MP351)
159 Shaft (MP356)
160 Cam (MP346)
161 Pin (MP195)
162 Bearing (MP146)
163 Washer (Not available)
164 Shim (MP365)
165 Retaining ring (MP334)
166 Solenoid (L1)
167 Pin (MP380)
168 Nut (H210)
169 Washer (H21)
170 Bracket (MP127)
171 Screw (H40)
172 Washer (H68)
173 Lever (MP218)
174 Retaining ring (MP38)
175 Bearing (MP130–181)
176 Spring (MP390)
171 Trunnion (MP405)
178 Screw (H91–92)
179 Counterweight arm (MP2)
180 Retaining ring (MP77)
181 Bearing (MP344–345)
182 Spring (MP381)
183 Screw (MP339)
184 Counterweight (MP408)
185 Screw (H22)
186 Shaft (MP360)
187 Counterweight arm (MP3)
188 Bearing (MP132–135)
189 Retaining ring (MP74)
190 Spring (MP382)
191 Screw (MP340)
192 Counterweight (MP409)
193 Screw (MP340)
194 Shaft (MP361)
195 Pin (MP259)
196 Screw (H204)
197 Nut (H172–175)
198 Housing (MP204)

Figure 3–4(6)—Continued.

Therefore, the one procedure described applies to all three switches.

a. Removal.

(1) Record the orientation of the switch terminals and wire connections with respect to the OFF or AUTO position (down) of the switch toggles.

(2) Remove faceplate (1) (para 3–32), and cover (3) by loosening screws (53).

(3) Loosen nut (16) inside the chassis. Then turn off nut (19) exercising care to prevent scratching the face of backing plate (14). Remove the key washer (17), lockwasher (18), and the switch (15).

(4) Tag each wire and unsolder it from the switch terminal.

b. Replacement. Install switch (15, 20 or 21) in the reverse order of the removal procedure in *a* above and be sure that the slot, in the threaded shaft of the switch, is in the 6 o'clock position. Insure that the internal tip of the key washer (17) engages the slot and that the external tip of the key washer engages the hole provided for it in the rear surface of the backing plate (14).

3–36. Removal and Replacement of CAMERA SEL Switch S4
(fig. 3–13)

a. Removal.

(1) Remove faceplate (1) (para 3–32) and cover (3) by loosening screws (53).

(2) Remove nut (23) from the face of backing plate (14). Remove switch (22).

(3) Tag each wire, then unsolder the wires from the terminals.

b. Replacement.

(1) Solder a jumper consisting of Type 5, No. 22 AWG, tempered soft or drawn, annealed, tin coated wire across the terminals as shown in figure 3–15.

(2) Connect the wires to the switch terminals as indicated by the tag designations. The connections should be checked by comparing the schematic, figure 6–12 with the terminal sectionalization shown in figure 3–15.

(3) Insert switch (22) through backing plate (14). Secure with nut (23).

(4) Replace faceplate (1) and cover.

3–37. Removal and Replacement of Connector J3
(fig. 3–13)

a. Removal.

(1) Remove faceplate (1) (para 3–32) and cover (3) by removing screws (53).

(2) Tag the two wires for identification and unsolder them from connector J3 (24) and the ground connector.

(3) Release nut (25) fully and withdraw the connector (24) through the front of the panel.

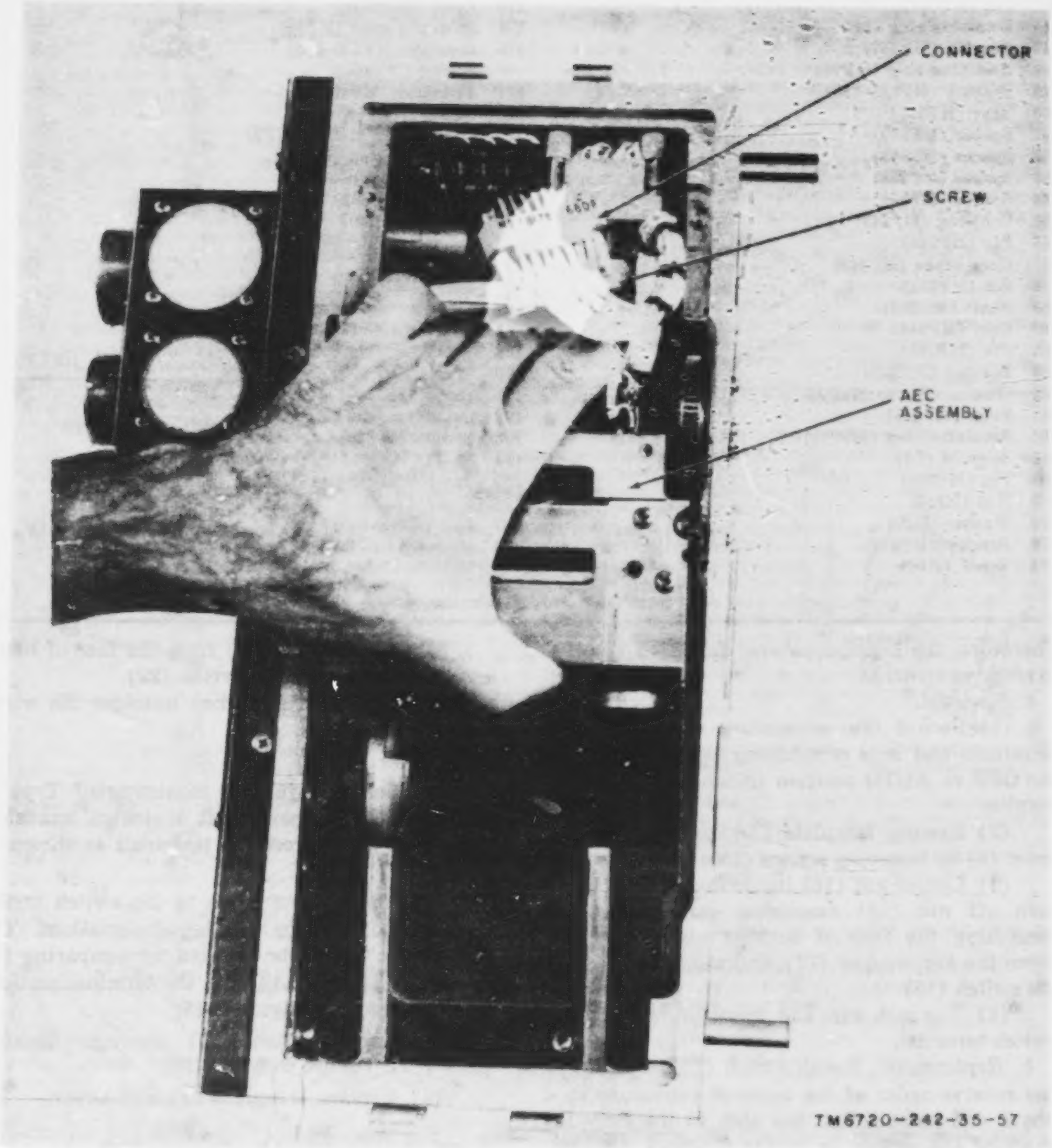


Figure 3-5. Installation of aec assembly.

Catch lockwasher (27) and terminal (26) as they fall with the removal of the connector.

b. Replacement. Install an electrical connector J3 in reverse of the removal procedures described in *a* above.

3-38. Removal and Replacement of POWER and OPERATOR Indicators

(fig. 3-13)

The procedures are identical for removing and replacing indicator lights XDS1 and XDS2 (28 and 34).

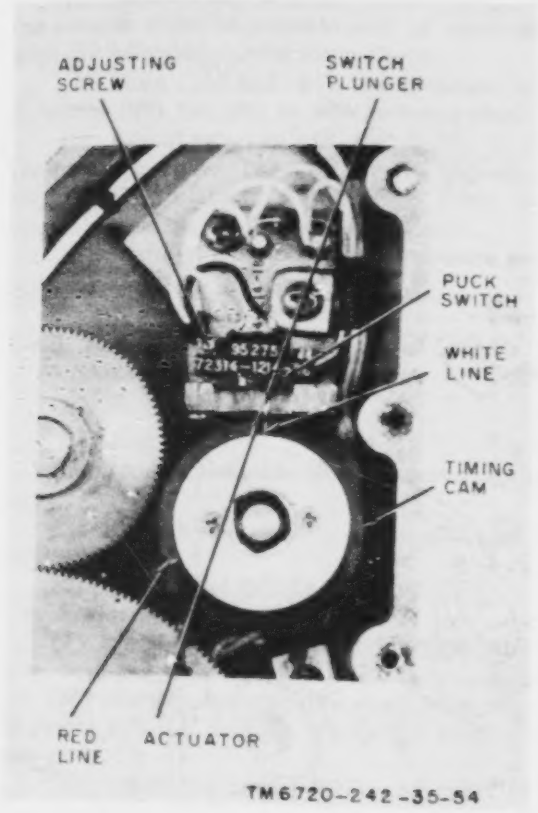


Figure 3-6. Installation of puck switch.

a. Removal.

(1) Remove the faceplate (1) (para 3-32) and cover (3) by loosening the two screws (53).

(2) Unscrew the jewel (33) and remove it from the indicator light (28).

(3) Remove nuts (31) and withdraw the indicator light (28) and (34) with nuts (29) and lockwashers (30).

(4) Tag each wire identifying its terminal connection. Then unsolder the wires.

b. Replacement. Install indicator lights in reverse order of removal.

3-39. Repair and Alignment of Magazine Components

Procedures for the repair and alinement of magazine assemblies and parts by direct support personnel are contained in paragraphs 3-40 through 3-44.

3-40. Removal, Replacement, and Disassembly of Pressure Plate Assembly

(fig. 3-16 (4))

a. Removal. Release two screws (74) securing pressure plate assembly (73) to the magazine housing (150).

b. Replacement. Be sure that the pressure plate is properly oriented then engage and secure the two screws (74).

c. Disassembly. Disassemble the pressure plate assembly as shown in figure 3-17.

3-41. Removal, Replacement and Disassembly of Keeper Block Assembly

(fig. 3-16 (4))

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove two screws (76) securing leaf spring (75).

(3) Remove two screws (78) and remove the keeper block assembly (77), keeping the two keeper arms of the assembly compressed to prevent the spring (79) from escaping.

(4) Relase the keeper arms and remove the spring (79).

b. Replacement. Replace the keeper block assembly in the reverse order of removal.

NOTE

Be sure that the spring (79) is in place and that the protruding part of the arm (6) faces outward.

c. Disassembly. Disassemble the keeper block assembly as shown in figure 3-18.

3-42. Removal, Replacement and Disassembly of the Pressure Roller Assembly

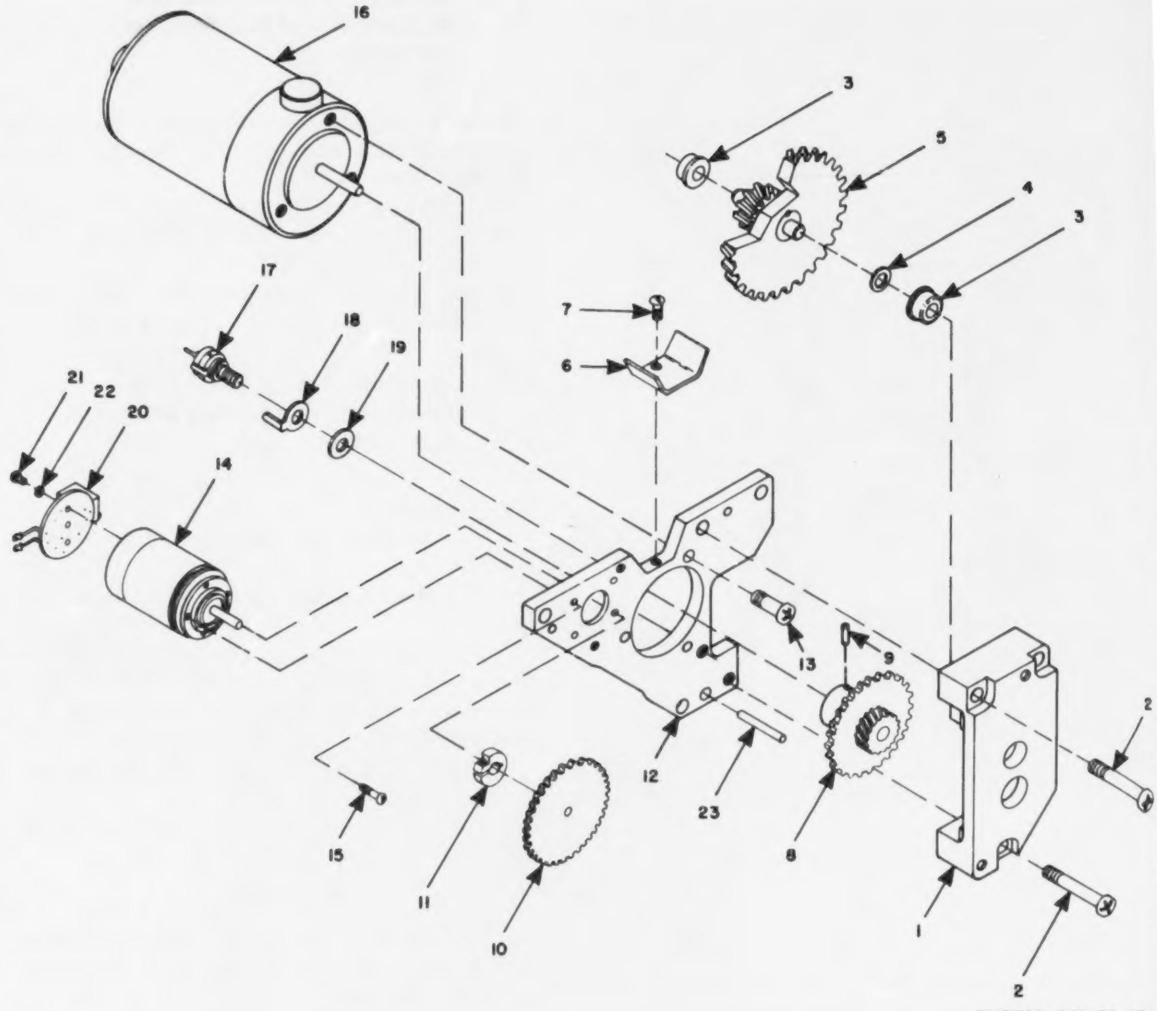
(fig. 3-16 (4))

a. Removal.

(1) Remove screw (98) and washer (99) on the right side of the pressure roller assembly (97).

(2) Rotate the C washer (102) until the slotted side faces up. With an appropriate tool push the retaining ring until it is free of the shaft (100).

(3) Withdraw the shaft (100) being careful to catch the scaper (105) and the shims (103 and 104) as the shaft (100) is being withdrawn.



1	Support (MP212)
2	Screw (H148–149)
3	Bearing (MP140–141)
4	Shim (MP365–368)
5	Gear assembly (MP197)
6	Guide (MP200)
7	Screw (H131)
8	Gear assembly (MP214)
9	Pin (MP257)
10	Gear (MP198)
11	Clamp (MP172)
12	Plate (MP211)
13	Screw (H153–155)
14	Tachometer (G1)
15	Screw (H132–137)
16	Motor (B1)
17	Diode (CR2)
18	Terminal (P/O CR2)
19	Fiber washer (P/O CR2)
20	Circuit board assembly (1A1A4)
21	Screw (H138–139)
22	Washer (H140–141)
23	Pin (MP812)

Figure 3-7. Motor, gears, and tachometer-generator, exploded view.

(4) The removal procedure on the left side of the pressure roller assembly is identical to that of step (3) except that the spacer (105) is not included.

(5) The pressure roller assembly can now be removed.

b. Replacement.

NOTE

When replacing the C washer (102) be sure that the flat side of the washer is in contact with the magazine housing.

(1) Replace the pressure roller assembly in the reverse order of removal and in conformity with the following special instructions.

(2) Shim (103 and 104) the pressure roller assembly (97) for .001 to .003 inch end play.

(3) Adjust setscrew (12, fig. 3–19) so that the pressure roller (97, fig. 3–16) causes the adas pressure plate to rise 0.01 ± 0.001 inch, when the pressure roller is cam actuated.

c. Disassembly. Disassemble the pressure roller assembly as shown in figure 3–19.

3–43. Removal and Replacement of Spindle Assembly

(fig. 3-16 (2))

a. Removal.

(1) Remove the plate (34) by removing two screws (35).

(2) Remove the shaft (36) and helical spring (37).

(3) Remove the spindle assembly (26).

b. Replacement.

(1) Insert the spindle assembly (26) into its hole, insuring that the slot in the spindle assembly (26) matches up with the small hole, in the magazine housing, through which the shaft (36) passes.

(2) Install the spring (37) and shaft (36) insuring that the shaft engages the slot in the spindle assembly (26).

(3) Place the plate (34) over the shaft (36) and secure the plate with two screws (35).

3–44. Removal and Replacement of Film Spool

(fig. 3-16 (2))

a. Removal. Pull out the spindle (26), grasp the film spool (17) and remove it.

b. Replacement.

(1) Position the film spool (17) in the magazine.

(2) Rotate the film spool until one side engages the pivot (24 or 51).

(3) Push in the spindle (26) and rotate the shaft (30) until its pivot (32) engages the other side of the film spool (17).

3–45. Lubrication and Preservation

CAUTION

Excessive or inadequate lubrication of parts can cause camera malfunction.

a. Lubrication. There are no lubrication procedures to be performed at prescribed intervals but the gear train in the body (fig. 2–6) receives a light coat of synthetic grease Anderol L757 (Lehigh Chemical Products Co.) when the train is assembled and when any component is replaced. The frequency of inspection of the gear train should be coincident with the environment in which the camera is operating and the number of missions in which it is used. The objective is to keep the gears coated with lubricant and free of contamination. In other instances, where, for example, a lubricant is applied to the diaphragm blades, the replacement procedures include lubrication as a step of the procedures.

b. Preservation.

(1) Procedures for the application of an electrical insulating compound to the component board assemblies is described in paragraph 3–7.

(2) Touchup of painted services as follows:

(*a*) Apply Chemical Film MIL–C–5541 (FS10015) to machine surfaces.

(*b*) Apply Zinc Chromate Primer, MIL–P–8585 to surfaces that are to be painted.

(*c*) Use Black Velvet Coating 100 Series No. 101–C10 (Minnesota Mining and Mfg. Co.—94960) to applicable surfaces.

(*d*) Apply Enamel TT–E–529 (olive drab No. X24087, FED–STD–595) to applicable surfaces.

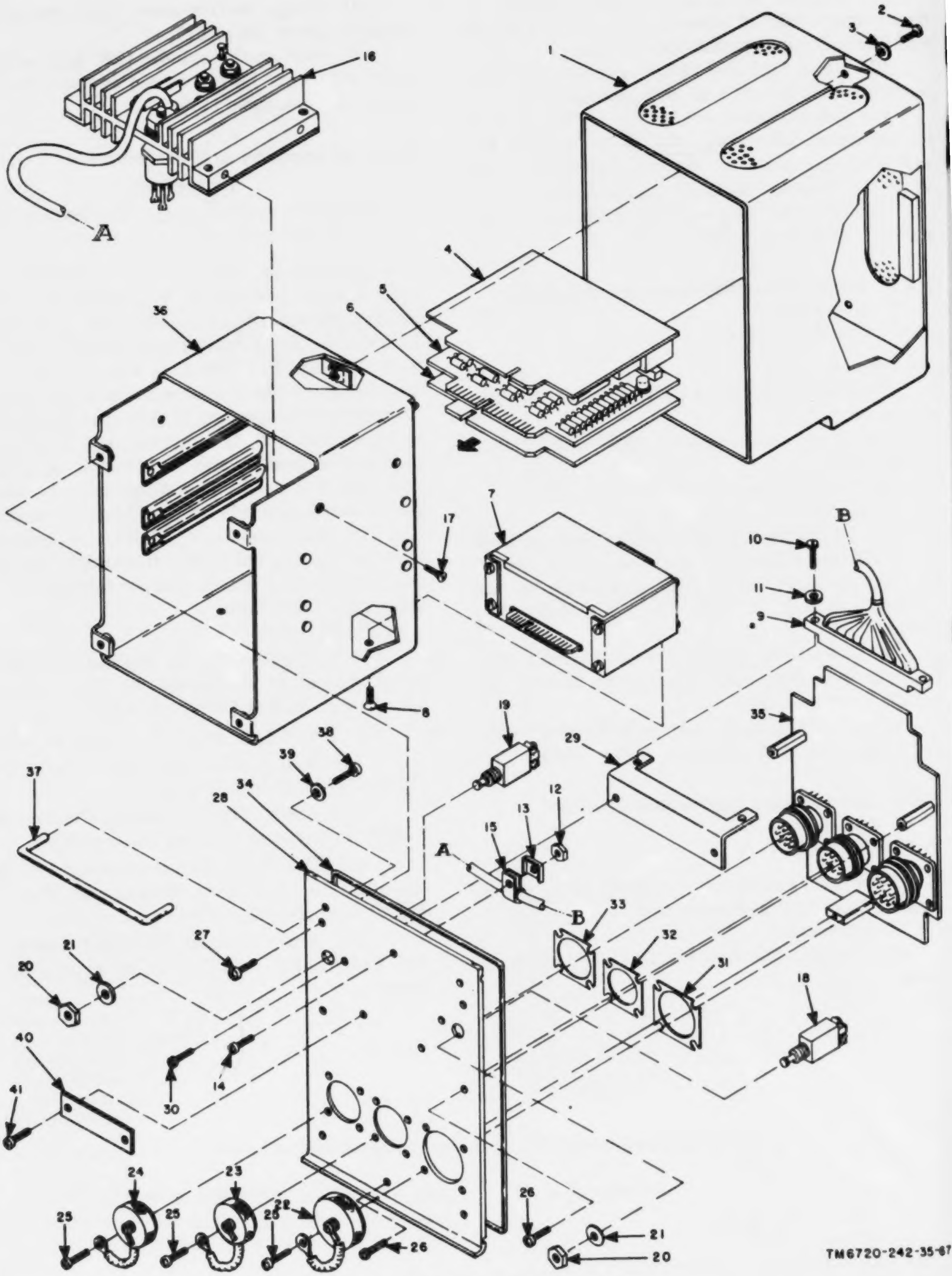

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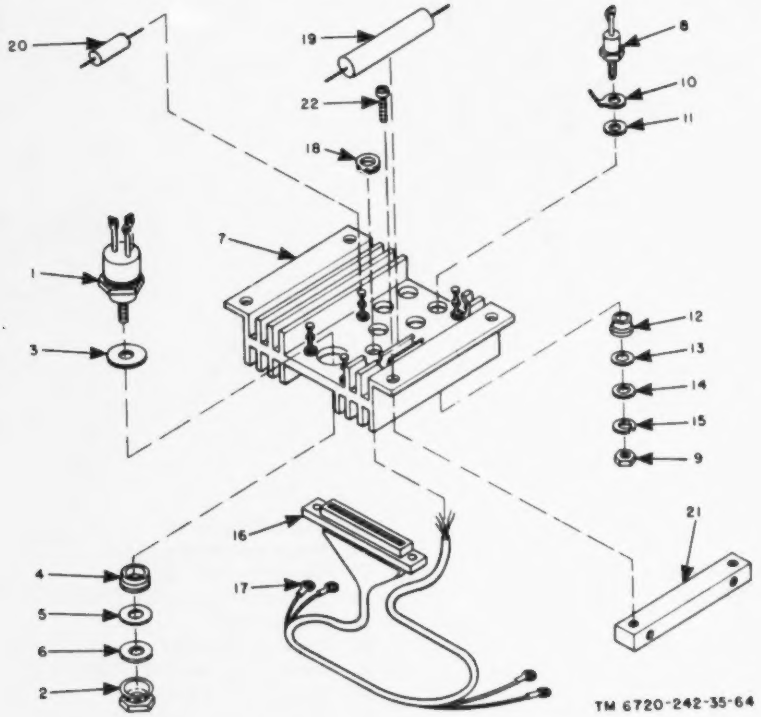
Figure 3-8. Camera control, exploded view.

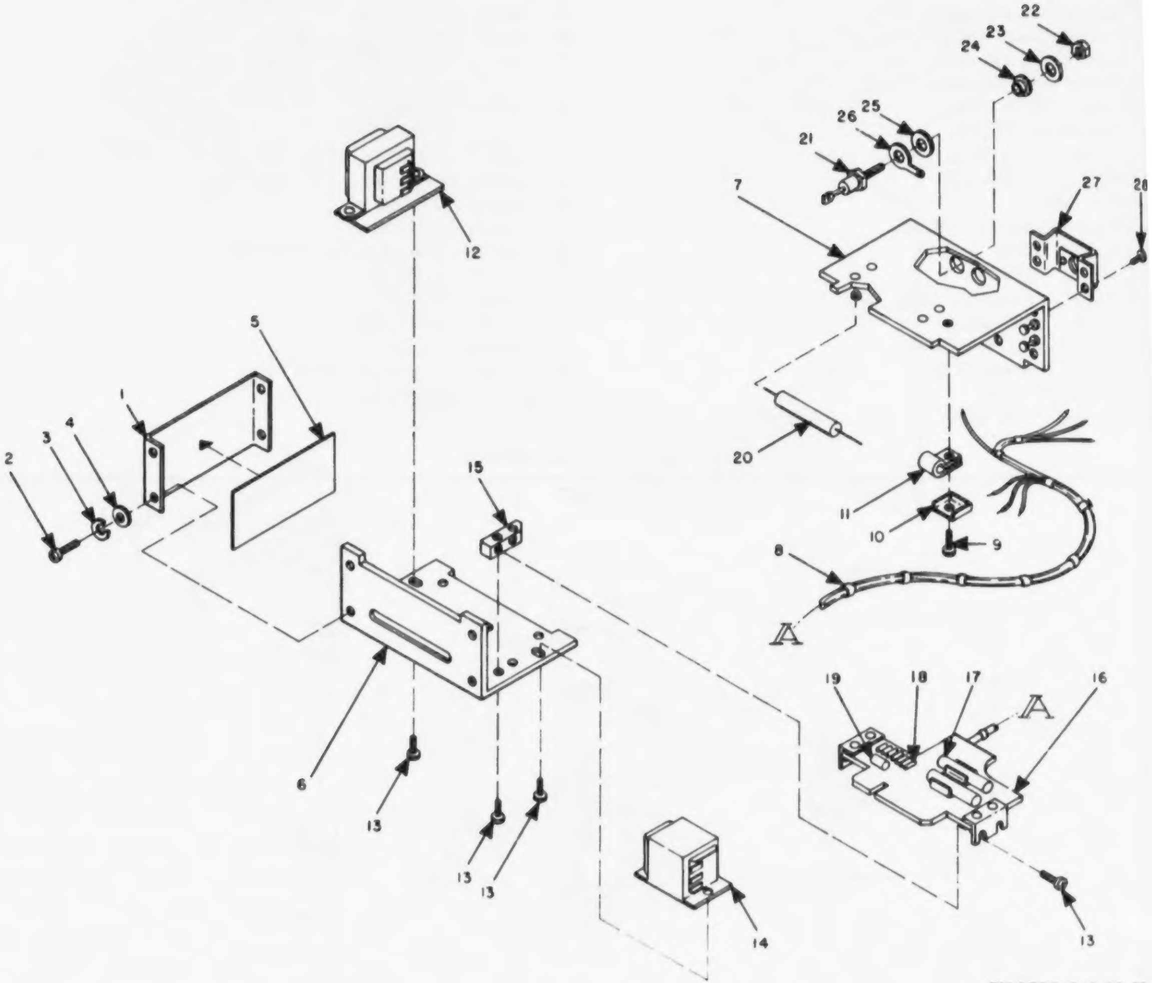
1 Camera control cover (MP469)
2 Screw (MP472–473)
3 Washer (MP474–475)
4 AEC board assembly (A5)
5 Control board assembly (A4)
6 Scan board assembly (A3)
7 Power supply assembly (A2)
8 Screw (H300–303)
9 Connector (W1P8)
10 Screw (H253–254)
11 Washer (H256–257)
12 Nut (H252)
13 Washer (saddle) (H258)
14 Screw (H255)
15 Clamp (MP820)
16 Heatsink assembly (A6)
17 Screw (H259–262)
18 Circuit breaker (CB2)
19 Circuit breaker (CB1)
20 Nut (P/O CB1)
21 Washer (P/O CB1)
22 2J1 connector cover (MP481)
23 2J3 connector cover (MP479)
24 2J2 connector cover (MP480)
25 Screw (H279–286)
26 Screw (H270–274)
27 Screw (H266–269)
28 Front panel (MP496)
29 Bracket (MP500)
30 Screw (H270–274)
31 Gasket (MP498)
32 Gasket (MP497)
33 Gasket (MP499)
34 Gasket (MP482)
35 Interconnecting board assembly (A1)
36 Chassis (MP418)
37 Handle (MP495)
38 Screw (H294–295)
39 Washer (H296–297)
40 Identification plate (MP501)
41 Screw (H298–299)

Figure 3-8—Continued.



1 Transistor (Q1)
2 Nut (P/O Q1)
3 Mica washer (P/O Q1)
4 Insulated spacer (P/O Q1)
5 Mica washer (P/O Q1)
6 Washer (P/O Q1)
7 Heat sink (MP478)
8 Diode (CR1–CR4, VR1)
9 Nut (P/O CR1–CR4, VR1)
10 Terminal (P/O CR1–CR4, VR1)
11 Mica washer (P/O CR1–CR4, VR1)
12 Insulated spacer (P/O CR1–CR4, VR1)
13 Mica washer (P/O CR1–CR4, VR1)
14 Washer (P/O CR1–CR4, VR1)
15 Lockwasher (P/O CR1–CR4, VR1)
16 Connector (W1P8)
17 Terminal lug (W1E1–E4)
18 Grommet (MP477)
19 Resistor (R1)
20 Resistor (R2)
21 Bar (MP415–416)
22 Screw (H259–262)

Figure 3-9. Scan heat sink assembly, exploded view.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1	Cover (MP511–512)
2	Screw (H320–327)
3	Washer (lock) (H340–347)
4	Washer (flat) (H332–339)
5	Pad (MP516–517)
6	Angle (MP506)
7	Angle (MP818)
8	Harness (W1)
9	Screw (H304)
10	Washer (saddle) (H317)
11	Clamp (MP510)
12	Transformer (T2)
13	Screw (H305–316)
14	Transformer (T1)
15	Bar (MP503–504)
16	Board assembly (A1)
17	Capacitor (C1, C2)
18	Semiconductor (CR1, CR6)
19	Resistor (R5)
20	Resistor (R1–R4)
21	Semiconductor (VR1, VR2)
22	Nut (P/O VR1–2)
23	Mica washer (P/O VR1–2)
24	Spacer (P/O VR1–2)
25	Mica washer (P/O VR1–2)
26	Washer (P/O VR1–2)
27	Bracket (MP505)
28	Screw (H328–331)

Figure 3–10. Power supply assembly, exploded view.

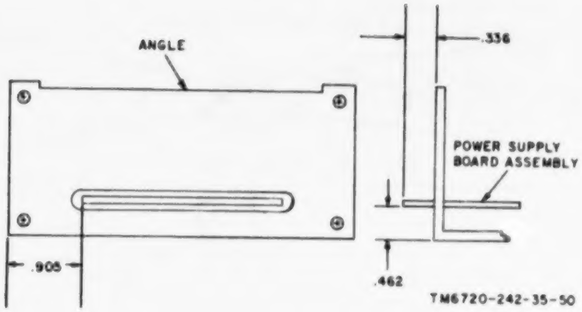
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Figure 3-11. Power supply board assembly, installation dimensions.

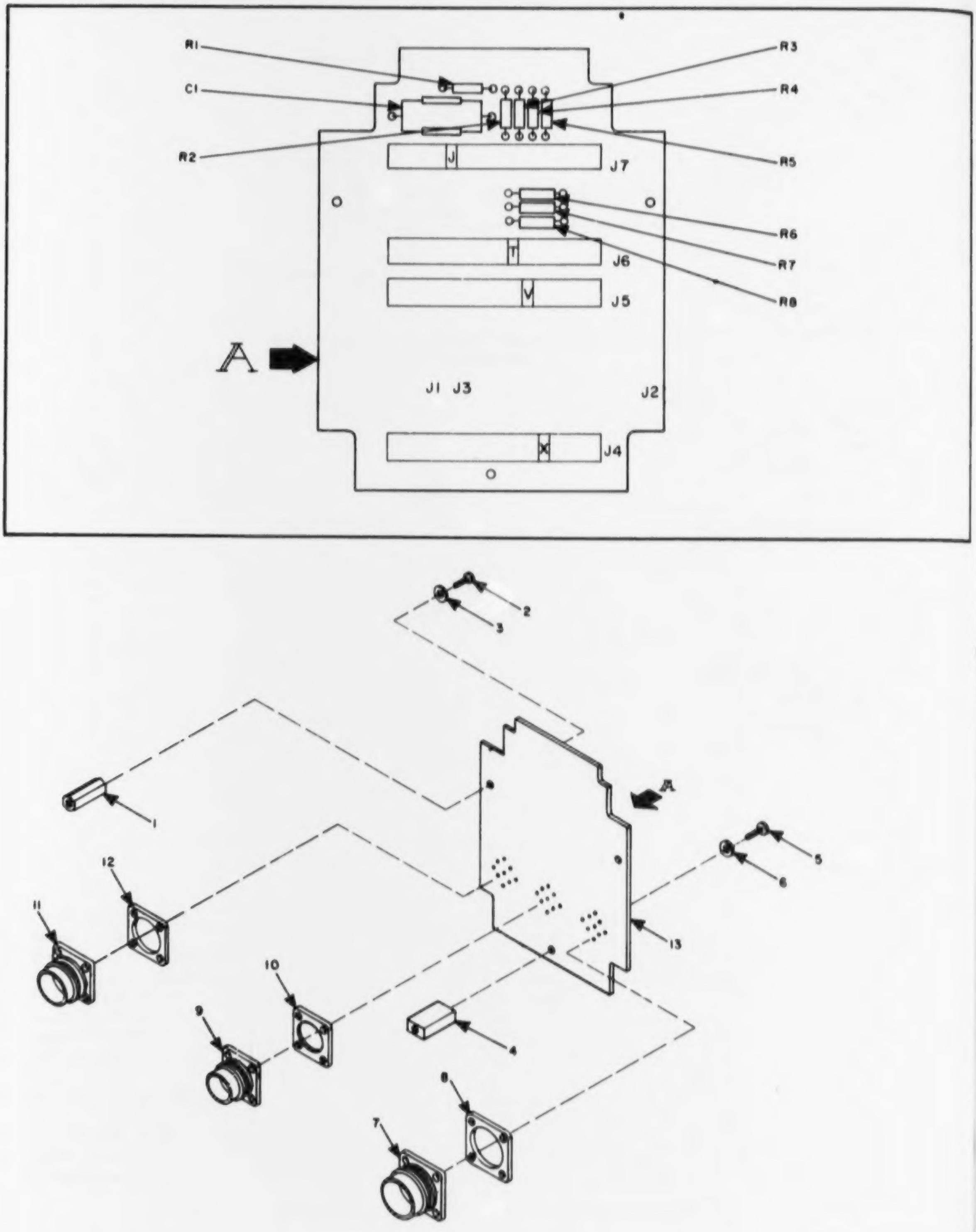
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Figure 3-12. Interconnecting board assembly, exploded view.

1 Post (MP491-92)
2 Screw (H2-H7)
3 Washer (H68-71)
4 Post (MP493)
5 Screw (H2-92)
6 Washer (H68-70)
7 Connector (2J1) (1J1)
8 Nut plate (MP488)
9 Connector (2J3) (1J3)
10 Nut plate (MP489)
11 Connector (2J2) (1J2)
12 Nut plate (MP490)
13 Interconnecting board (MP494)

Figure 3-12—Continued.

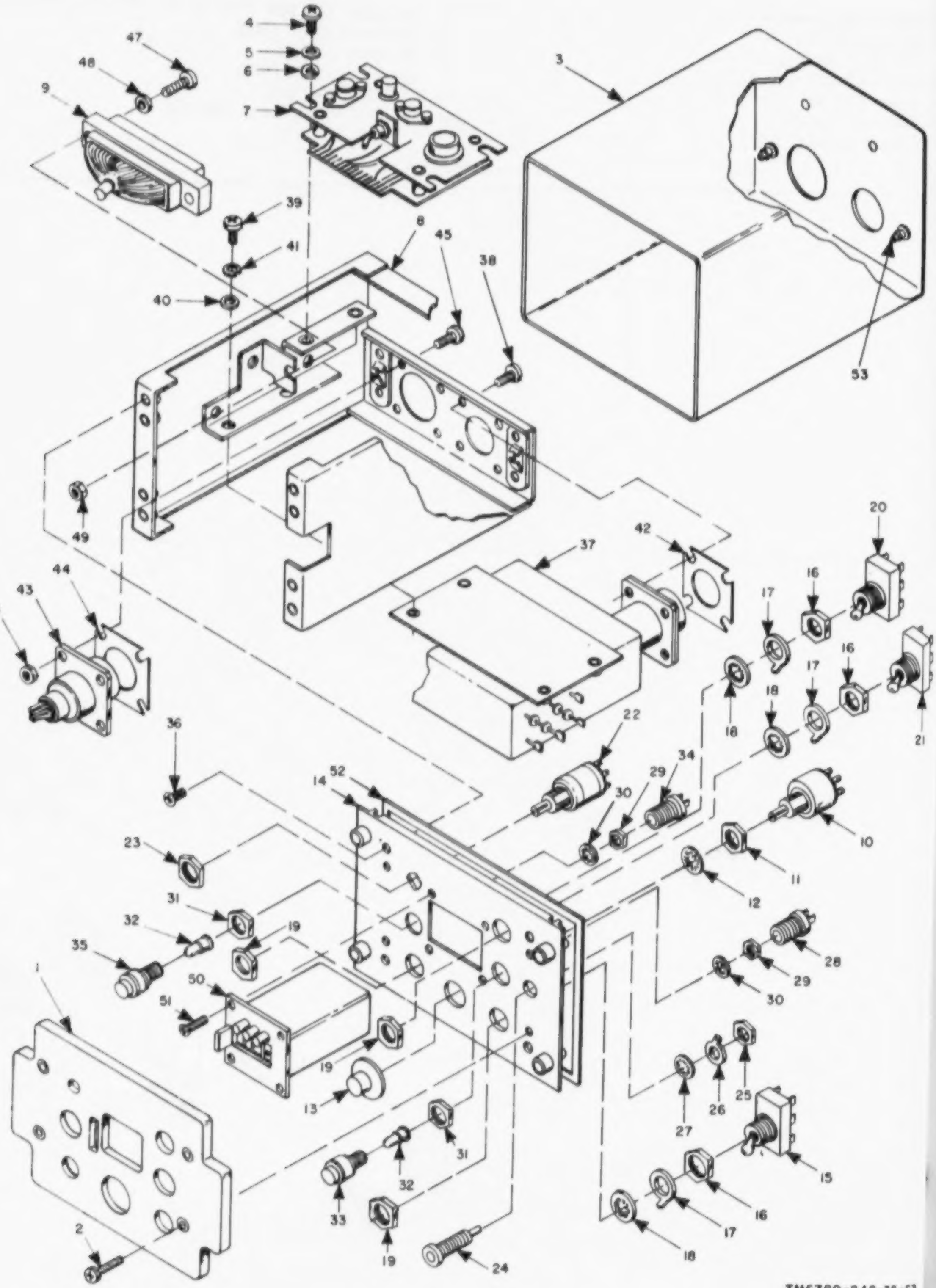
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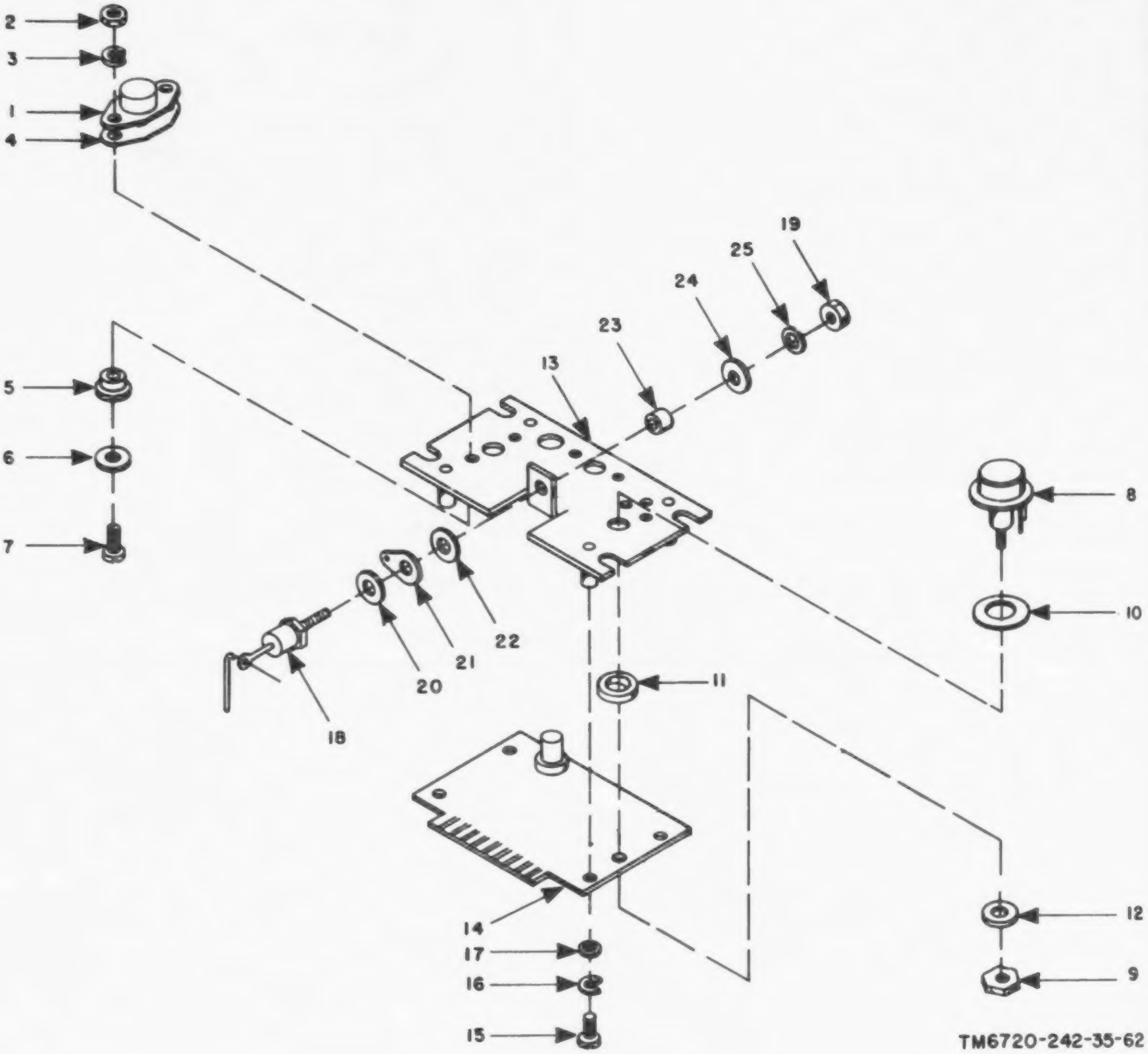
Figure 3–13. Control panel, exploded view.

1 Faceplate (MP551)
2 Screw (H419–422)
3 Cover (MP539)
4 Screw (H360–363)
5 Washer (flat) (H368–371)
6 Washer (lock) (H376–379)
7 Interface board assembly (A1)
8 Chassis (MP523)
9 Connector (3J4) (W1J4)
10 Switch (EXTRA PICTURE) (S5)
11 Nut (P/O S5)
12 Washer (lock) (P/O S5)
13 Push button (P/O S5)
14 Backing plate (MP553)
15 Switch (OPERATE) (S2)
16 Nut (P/O S2)
17 Washer (key) (P/O S2)
18 Washer (lock) (P/O S2)
19 Nut (P/O S2)
20 Switch (POWER) (S3)
21 Switch (V/H SEL) (S1)
22 Switch (CAMERA SEL) (S4)
23 Nut (P/O S4)
24 Connector (J3)
25 Nut (P/O J3)
26 Terminal (P/O J3)
27 Washer (lock) (P/O J3)
28 Indicator light socket (DS1)
29 Nut (P/O DS1)
30 Washer (lock) (P/O DS1)
31 Nut (P/O DS1)
32 Lamp (DS1–DS2)
33 Jewel (P/O DS1)
34 Indicator light socket (DS2)
35 Jewel (P/O DS2)
36 Screw (H419–422)
37 Filter (FL1)
38 Screw (H364–367)
39 Screw (H356–359)
40 Washer (lock) (H380–383)
41 Washer (H372–375)
42 Gasket (MP560)
43 Connector (3J2) (W1J2)
44 Gasket (MP561)
45 Screw (H431–434)
46 Nut (lock) (H427–430)
47 Screw (H437–438)
48 Washer (flat) (H439–440)
49 Nut (lock) (H435–436)
50 Counter (M1)
51 Screw (H352–353)
52 Gasket (MP554–555)
53 Captive screws (P/O MP539)

Figure 3–13—Continued.



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1	Semiconductor (2N1485) (Q2, Q4)
2	Nut (H407–410)
3	Washer (H415–418)
4	Mica washer (P/O Q2, Q4)
5	Spacer (P/O Q2, Q4)
6	Washer (P/O Q2, Q4)
7	Screw (H411–414)
8	Semiconductor (2N1016B) (Q3)
9	Nut (H405)
10	Mica washer (P/O Q3)
11	Spacer (MP545)
12	Washer (H406)
13	Plate (MP819)
14	Board assembly (A1)
15	Screw (H384–391)
16	Washer (H400–403)
17	Washer (H392–399)
18	Semiconductor (1N2985B) (VR3)
19	Nut (P/O VR3)
20	Washer (P/O VR3)
21	Terminal (P/O VR3)
22	Mica washer (P/O VR3)
23	Spacer (P/O VR3)
24	Mica washer (P/O VR3)
25	Washer (P/O VR3)

Figure 3–14. Interface board assembly, exploded view.

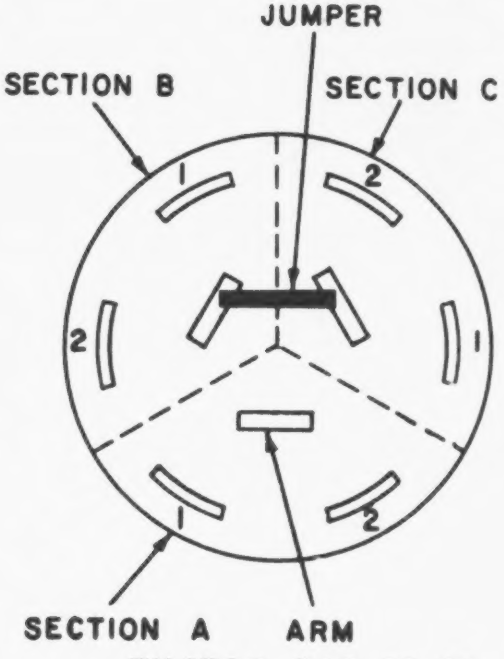
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Figure 3-15. CAMERA SEL switch, terminals and jumper wire connections.

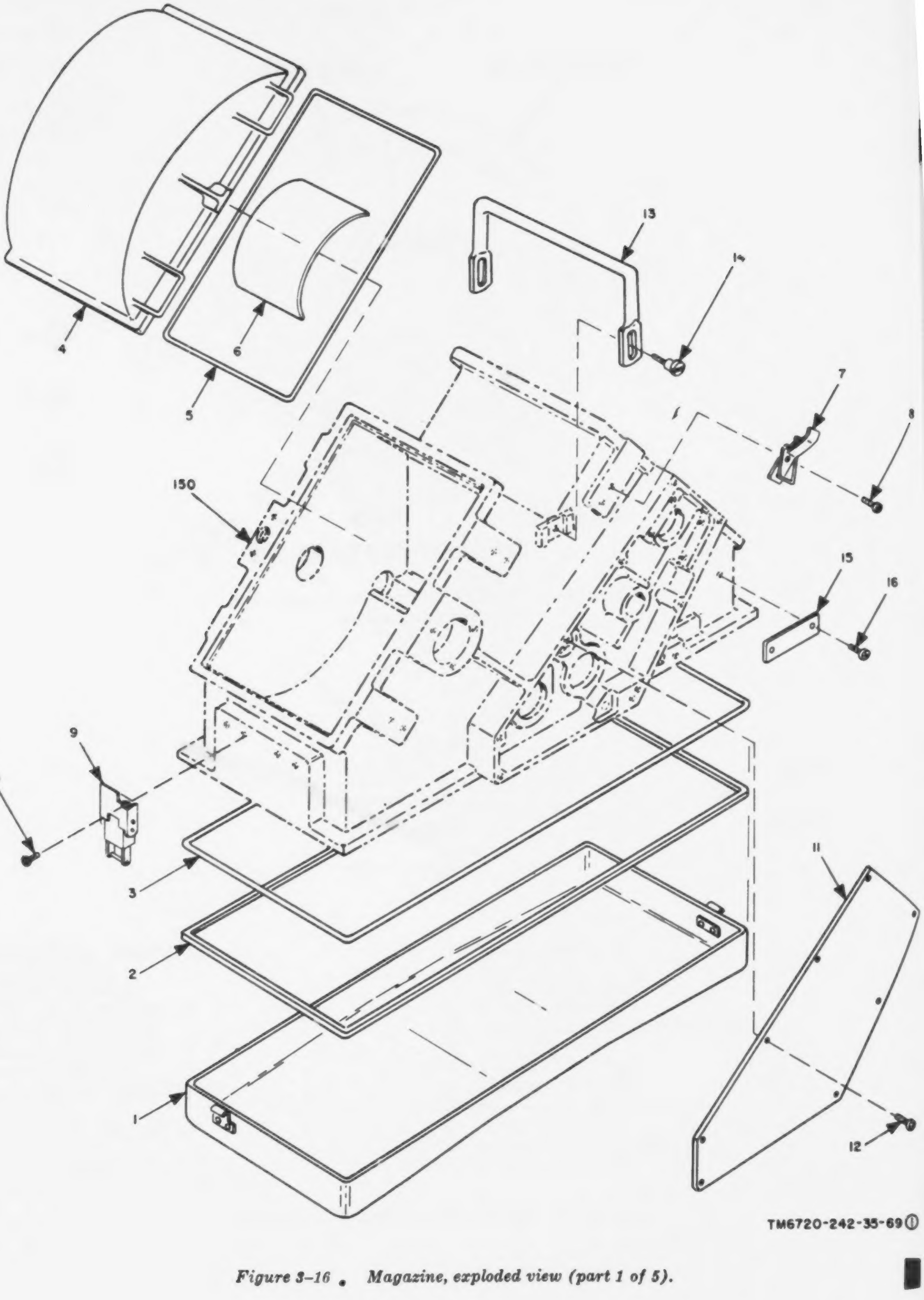
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Figure 3-16 . Magazine, exploded view (part 1 of 5).

1 Cover (MP584)
2 Gasket (MP585)
3 Gasket (MP602)
4 Cover (MP592-592)
5 Gasket (MP596-597)
6 Decal (MP594-595)
7 Latch (MP662-669)
8 Screw (MP457-473)
9 Catch (MP577-580)
10 Screw (MP474-482)
11 Cover (MP682)
12 Screw (MP483-488)
13 Handle (MP613)
14 Screw (H526-527)
15 Identification plate (MP683)
16 Screw (H441-442)
150 Magazine housing (MP614)

Figure 3-16(1)—Continued.

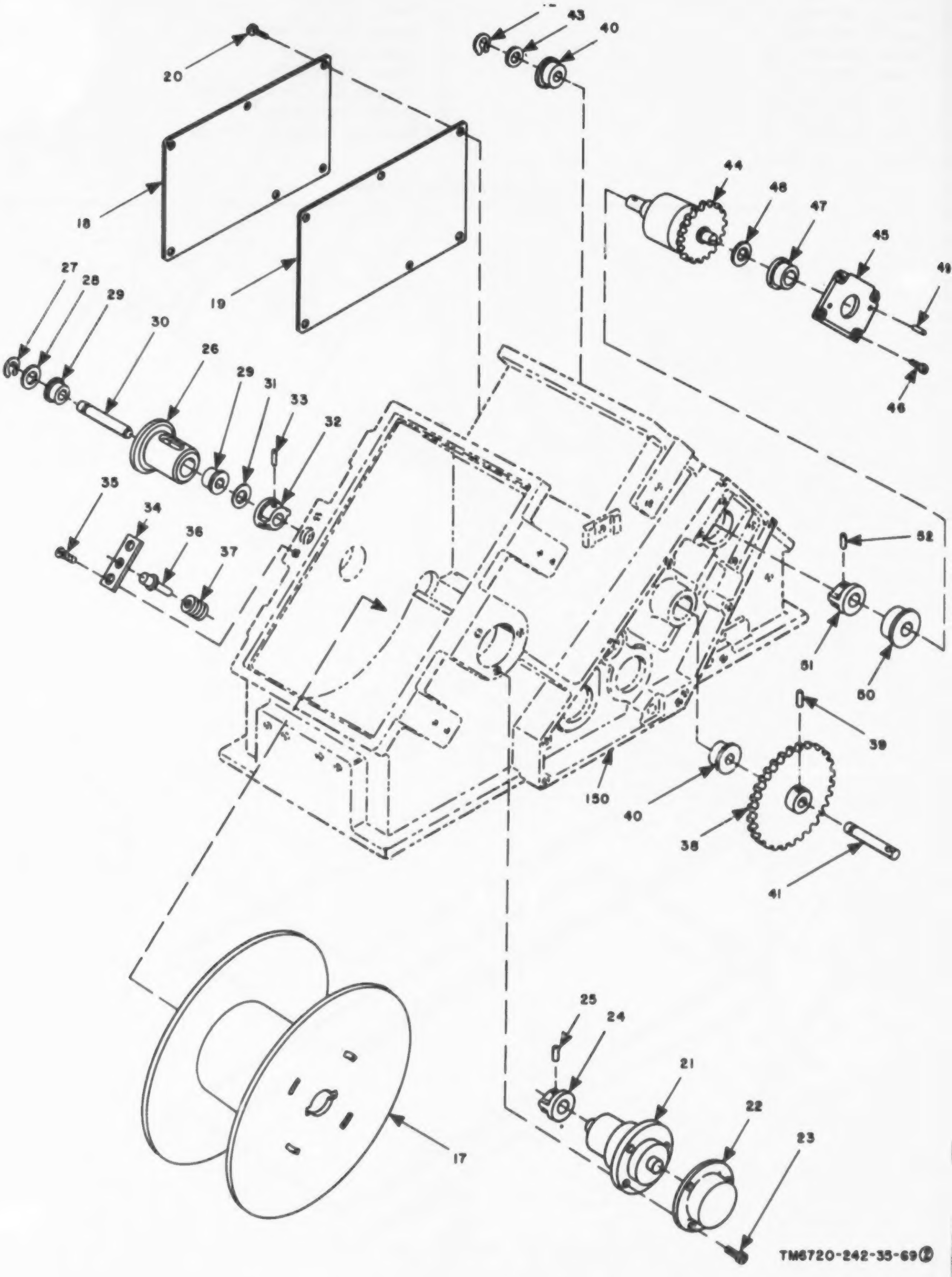
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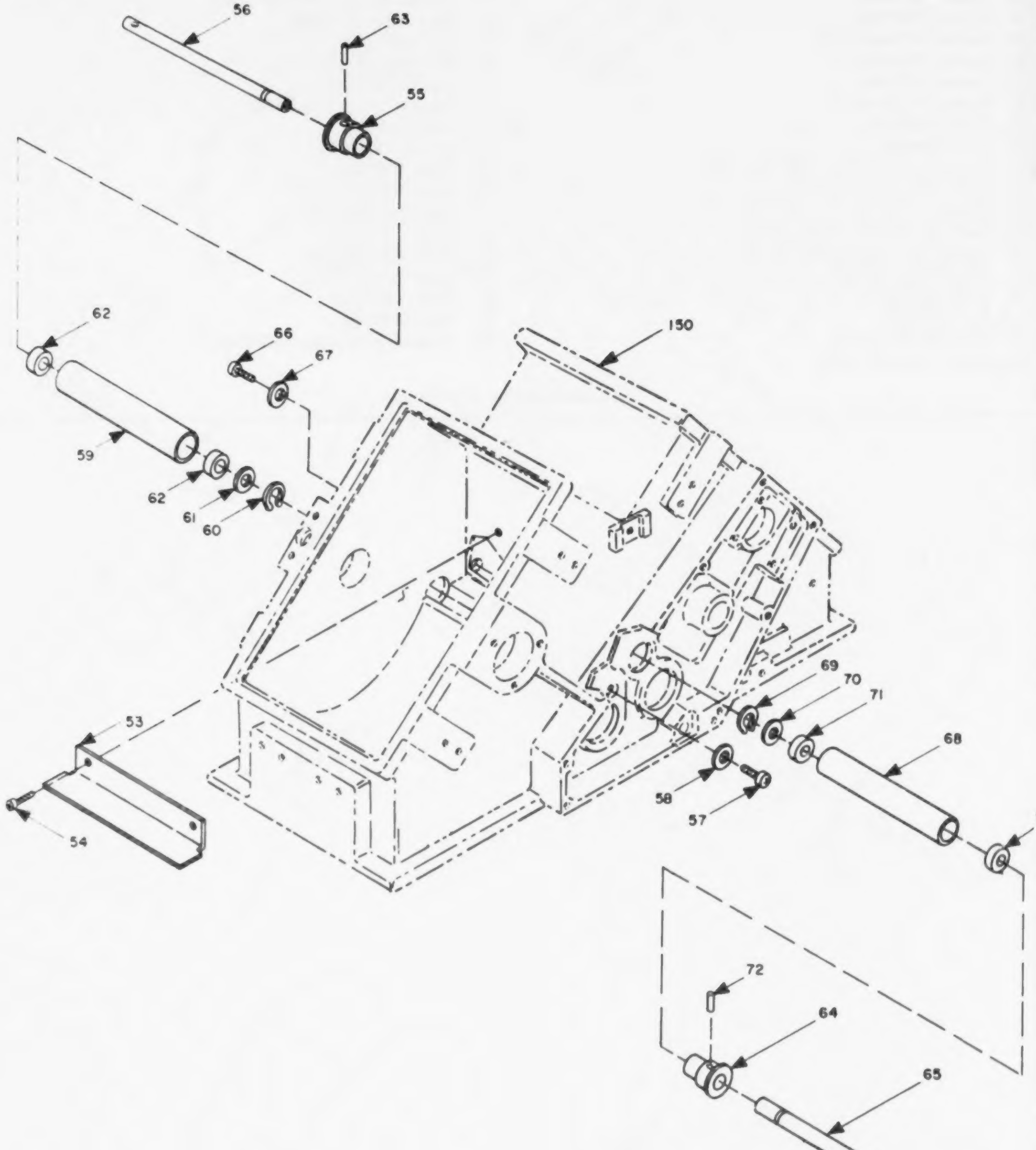
Figure 3-16. Magazine, exploded view (part 2 of 5).

17 Spool (Not available)
18 Cover (MP599)
19 Gasket (MP600)
20 Screw (MP489–494)
21 Brake (MP569)
22 Cover (MP584)
23 Screw (H499–501)
24 Pivot (MP570)
25 Pin (MP569)
■ 26 Spindle assembly (MP765–766)
27 Retaining ring (MP721)
28 Spacer (MP738)
29 Bearing (MP702–703)
30 Shaft (MP773–774)
31 Shim (MP775–776)
32 Pivot (MP581)
33 Pin (MP767)
34 Plate (MP684–685)
35 Screw (MP495–496)
36 Shaft (MP671)
37 Helical spring (MP781–782)
38 Gear hub (MP603)
39 Pin (MP605)
40 Bearing (MP571–572)
41 Shaft (MP606)
42 Retaining ring (MP735)
43 Shim (MP754)
44 Clutch (MP579)
45 Plate (MP681)
46 Screw (H443–446)
47 Bearing (MP573)
48 Shim (MP755)
49 Pin (MP672–673)
50 Bearing (MP577)
51 Pivot (MP769)
52 Pin (MP768)
150 Magazine housing (MP614)

Figure 3–16(2)—Continued.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53 Light shield (MP748)
54 Screw (MP497–498)
55 Adapter (MP731)
56 Shaft (MP737)
57 Screw (H502)
58 Washer (H544)

Figure 3–16. Magazine, exploded view (part 3 of 5).

59 Film roller (MP736)
60 Retaining ring (MP744)
61 Spacer (MP747)
62 Bearing (MP732)
63 Pin (MP734)
64 Adapter (MP740)
65 Shaft (MP746)
66 Screw (H503)
67 Washer (H545)
68 Film roller (MP745)
69 Retaining ring (MP771-772)
70 Spacer (MP777-778)
71 Bearing (MP733)
72 Pin (MP743)
150 Magazine housing (MP614)

Figure 3-16(3)—Continued.

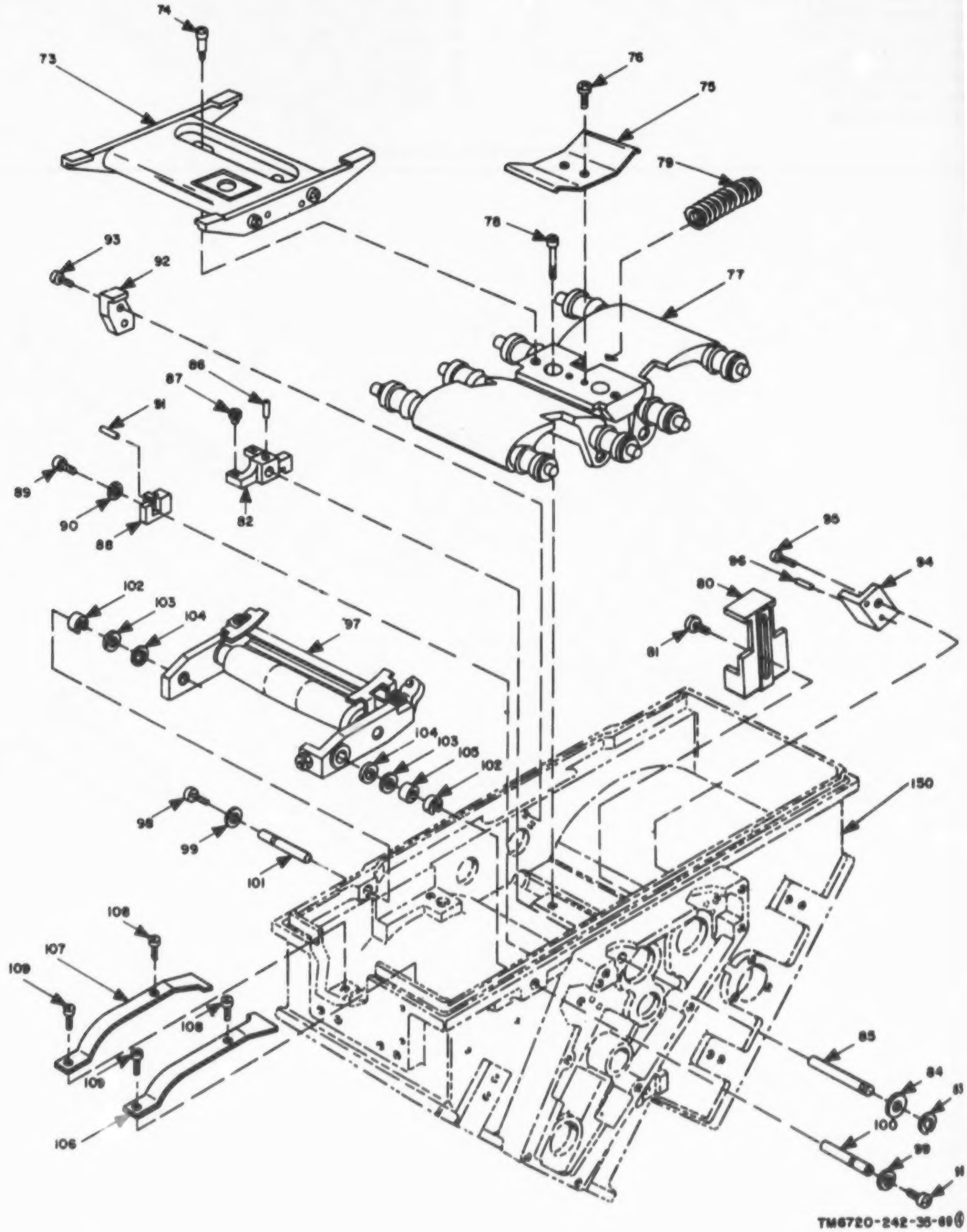
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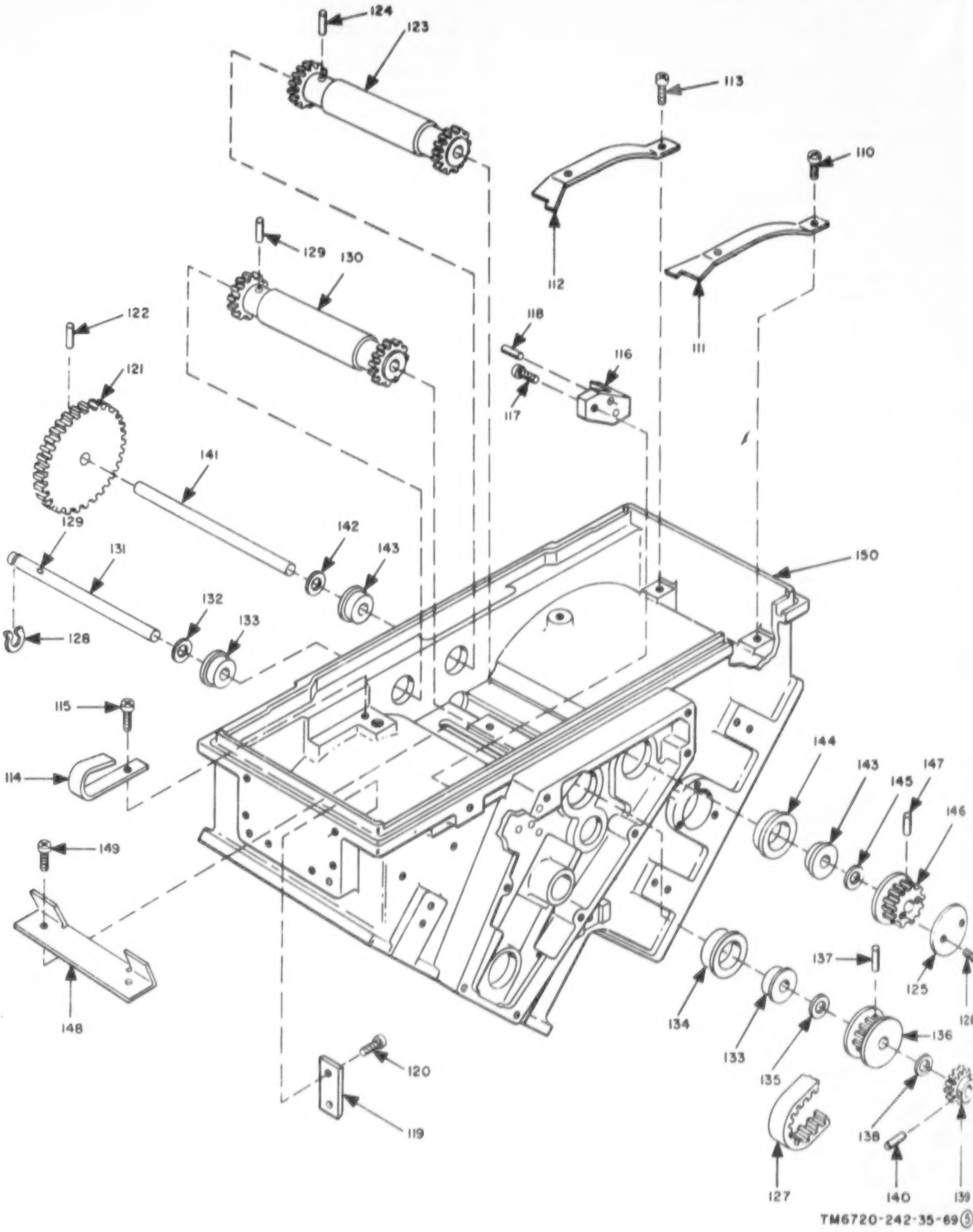
Figure 3-16. Magazine, exploded view (part 4 of 5).

73 Pressure plate assembly (MP686)
74 Screw (H534-535)
75 Leaf spring (MP785)
76 Screw (H508-509)
77 Keeper plate assembly (MP615)
78 Screw (H528-529)
79 Spring (MP780)
80 Retractor cam (MP576)
81 Screw (H455-456)
82 Rocker arm (MP724)
83 Retaining ring (MP637-644)
84 Shim (MP753)
85 Shaft (MP728)
86 Pin (MP725)
87 Pin (MP726-727)
88 Bracket (MP566)
89 Screw (H453)
90 Washer (H454)
91 Pin (MP674)
92 Stop (MP565)
93 Screw (H542-543)
94 Bracket (MP564)
95 Screw (H447)
96 Pin (MP675-676)
97 Pressure roller assembly (MP701)
98 Screw (H448)
99 Washer (H532-533)
100 Shaft (MP680)
101 Shaft (MP679)
102 Washer "C" (MP809-810)
103 Shim (MP751-752)
104 Shim (MP749-750)
105 Spacer (MP758)
106 Film guide (MP611)
107 Film guide (MP612)
108 Screw (H300-303)
109 Screw (H423-424)
150 Magazine housing (MP614)

Figure 3-16(4)—Continued.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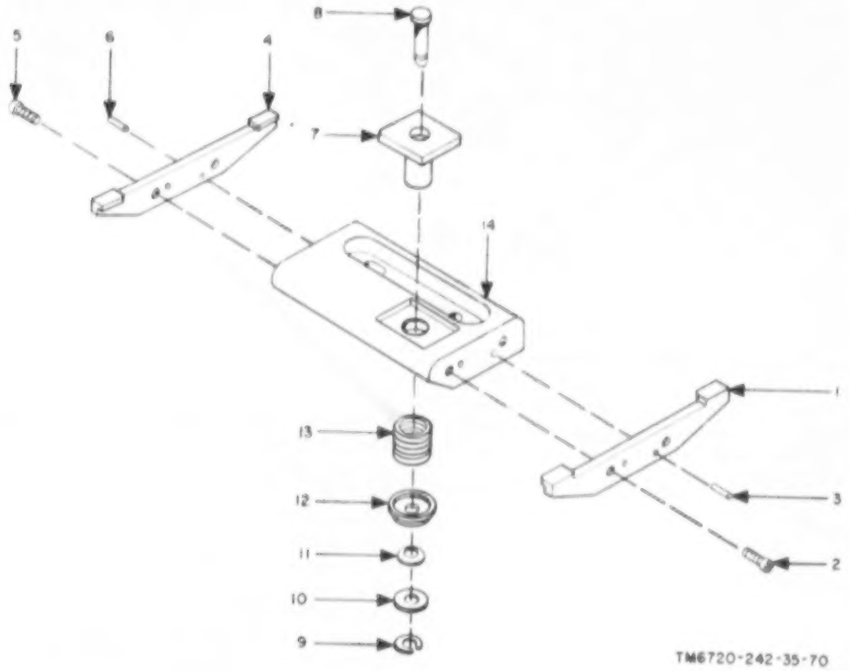
110 Screw (H425)
111 Film guide (MP607)
112 Film guide (MP608)
113 Screw (H424–426)
114 Leaf spring (MP783–784)
115 Screw (H449)

Figure 3–16 . Magazine, exploded view (part 5 of 5).

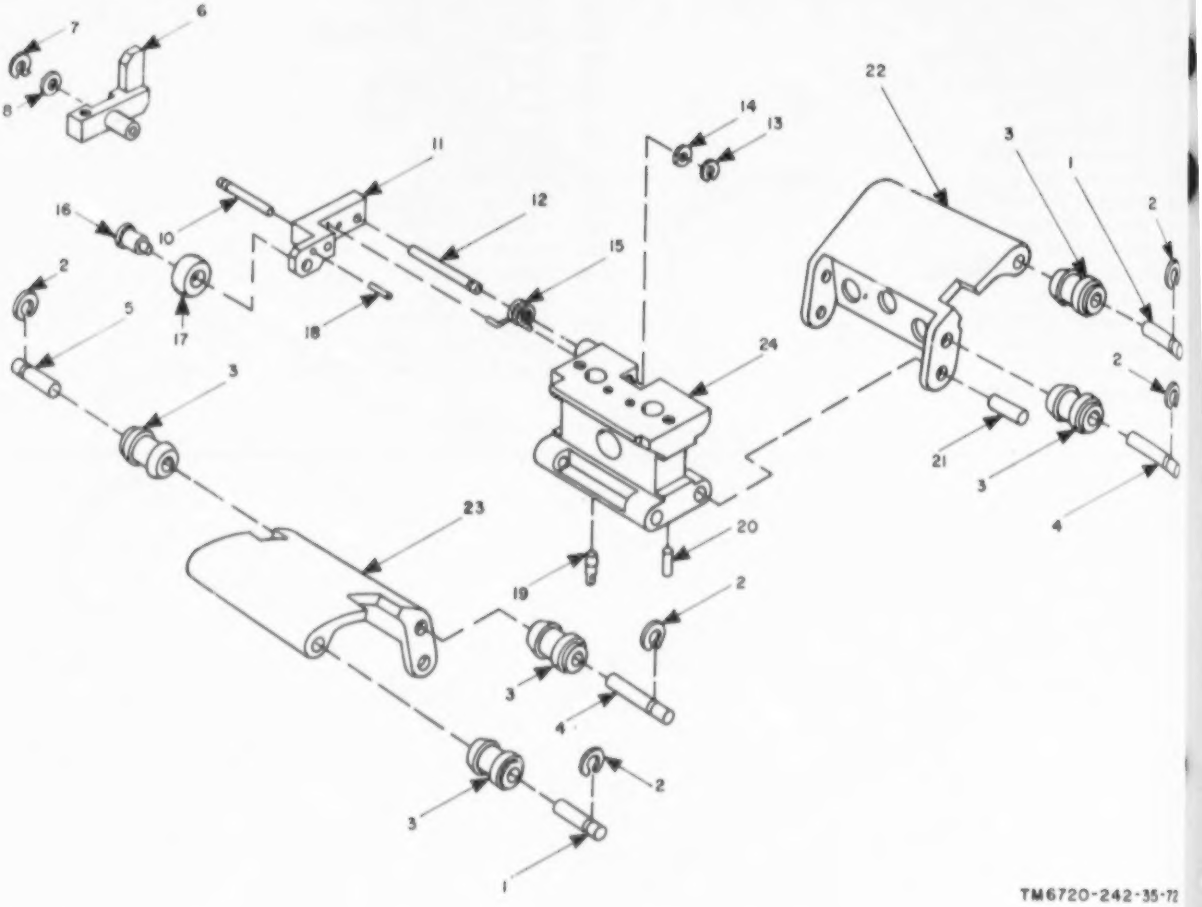
116 Bracket (MP565)
117 Screw (H450-452)
118 Pin (MP677-678)
119 Film guid (MP609-610)
120 Screw (H514-525)
121 Gear (MP799)
122 Pin (MP802)
123 Sprocket (MP807)
124 Pin (MP789)
125 Flange (MP601)
126 Screw (H510-511)
127 Belt (MP563)
128 Retaining ring (MP722)
129 Pin (MP800)
130 Sprocket (MP796)
131 Shaft (MP793)
132 Shim (MP756)
133 Bearing (MP754)
134 Adapter (MP791)
135 Spacer (MP795)
136 Pulley assembly (MP792)
137 Pin (MP790)
138 Spacer (MP794)
139 Gear (MP788)
140 Pin (MP800)
141 Shaft (MP805)
142 Shim (MP757)
143 Bearing (MP575)
144 Adapter (MP803)
145 Spacer (MP806)
146 Pulley (MP804)
147 Pin (MP801)
148 Stripper (MP808)
149 Screw (H512-513)
150 Magazine housing (MP614)

Figure 3-16(5)—Continued



1 Film guide (MP687)
2 Screw (H536-537)
3 Pin (MP690-691)
4 Film guide (MP688)
5 Screw (H538-539)
6 Pin (MP692-693)
7 Adas pressure plate (MP695)
8 Pin (MP689)
9 Retaining ring (MP696)
10 Washer (MP698)
11 Washer, tension spring (MP699)
12 Washer (MP700)
13 Spring (MP697)
14 Pressure plate (MP694)

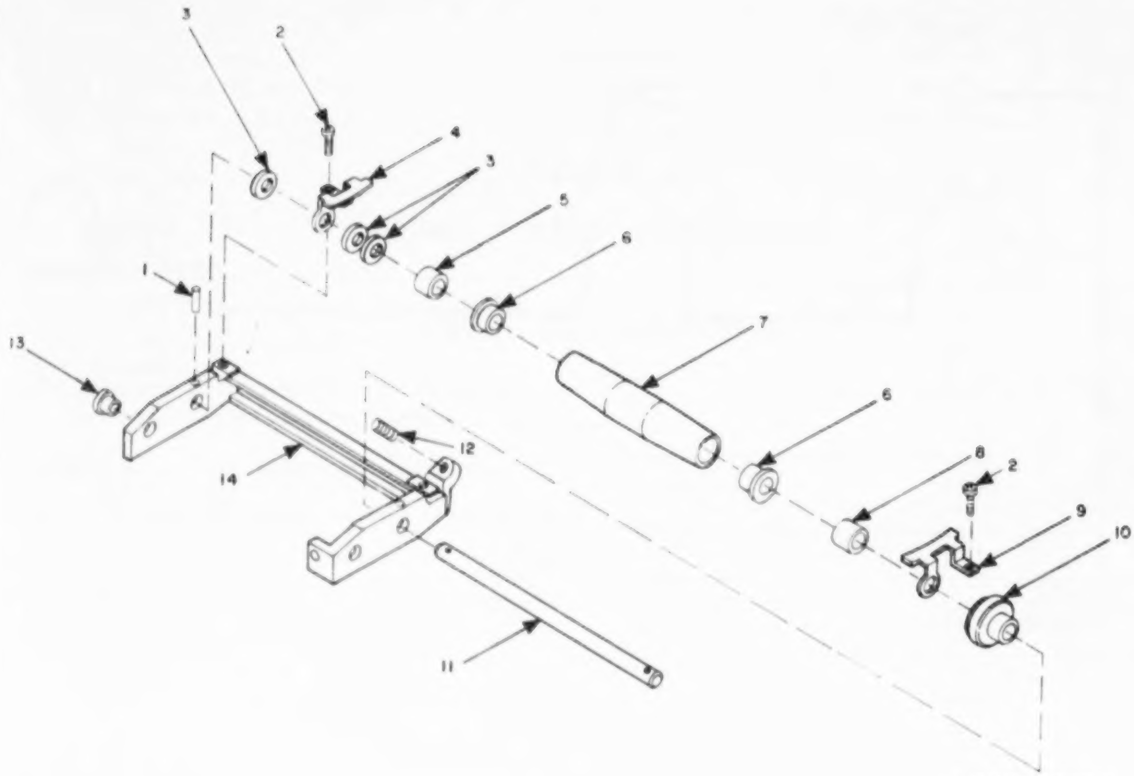
Figure 3-17. Pressure plate assembly, exploded view.


7
6
8
22
14
13
11
3
1
16
12
2
10
15
2
5
17
18
24
3
2
21
3
4
23
20
19
2
3
4
3
2
1

TM6720-242-35-72

1 Shaft (MP657-658)
2 Retaining ring (MP637-644)
3 Keeper roller (MP645-652)
4 Shaft (MP622-623)
5 Shaft (MP653-656)
6 Arm (MP616)
7 Retaining ring (MP635)
8 Shim (MP659)
9 (Not used)
10 Shaft (MP634)
11 Pivot arm (MP629)
12 Shaft (MP633)
13 Retaining ring (MP636)
14 Shim (MP660)
15 Spring (MP661)
16 Pin (MP630)
17 Roller (MP632)
18 Pin (MP631)
19 Pin (shoulder) (MP620)
20 Pin (MP621)
21 Pin (MP624-627)
22 Keeper arm (supply side) (MP617)
23 Keeper arm (takeup side) (MP618)
24 Keeper block (MP619)

Figure 3-18. Keeper block assembly, exploded view.


3
2
4
3
5
6
1
13
7
12
14
6
8
2
9
10
11
TM6720-242-35-71

1 Pin (MP710-711)
2 Screw (H540-541)
3 Shim (MP716-718)
4 Film guide (MP707)
5 Spacer (MP712)
6 Bearing (MP761-764)
7 Roller (MP708)
8 Spacer (MP713)
9 Guide (MP706)
10 Roller follower (MP709)
11 Tube (MP715)
12 Screw (MP714)
13 Sleeve bushing (MP704-705)
14 Yoke (MP719)

Figure 3-19. Pressure roller assembly, exploded view.

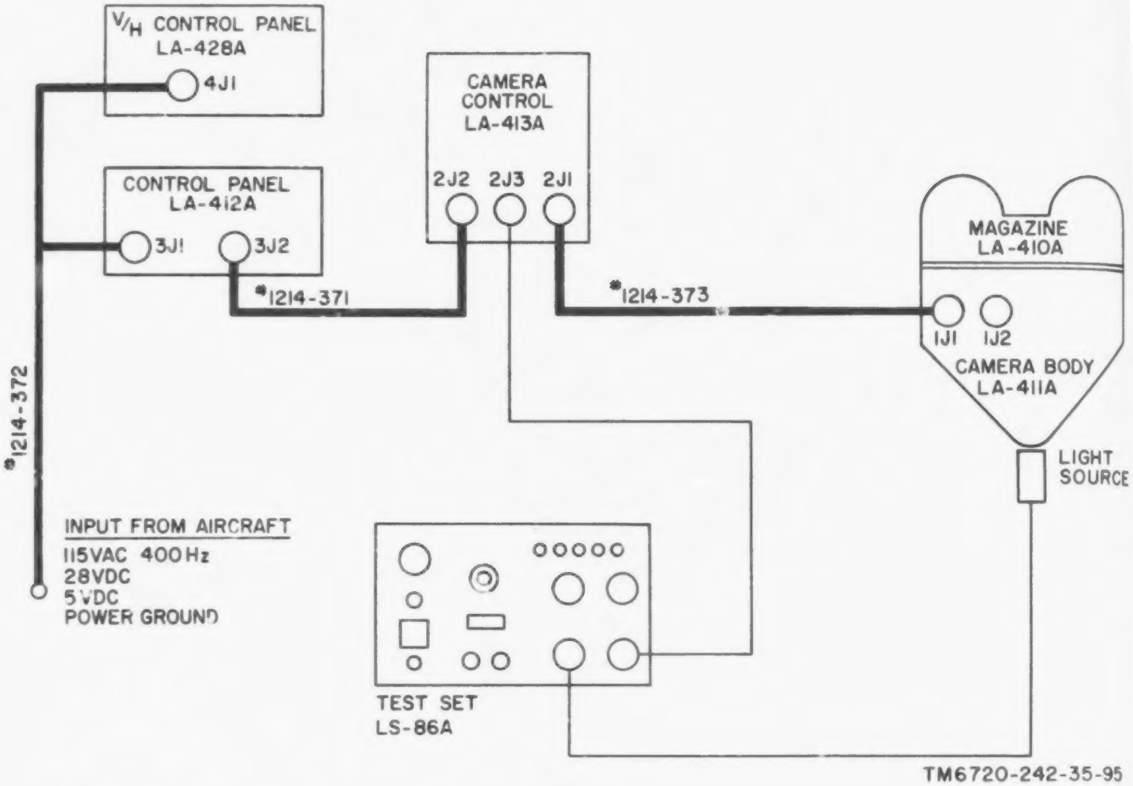

V/H CONTROL PANEL
LA-428A
4J1
CONTROL PANEL
LA-412A
3J1
3J2
CAMERA
CONTROL
LA-413A
2J2
2J3
2J1
MAGAZINE
LA-410A
1J1
1J2
CAMERA BODY
LA-411A
LIGHT
SOURCE
*1214-371
*1214-373
*1214-372
INPUT FROM AIRCRAFT
115VAC 400Hz
28VDC
5VDC
POWER GROUND
TEST SET
LS-86A
TM6720-242-35-95

Figure 3-20. Test set cables.

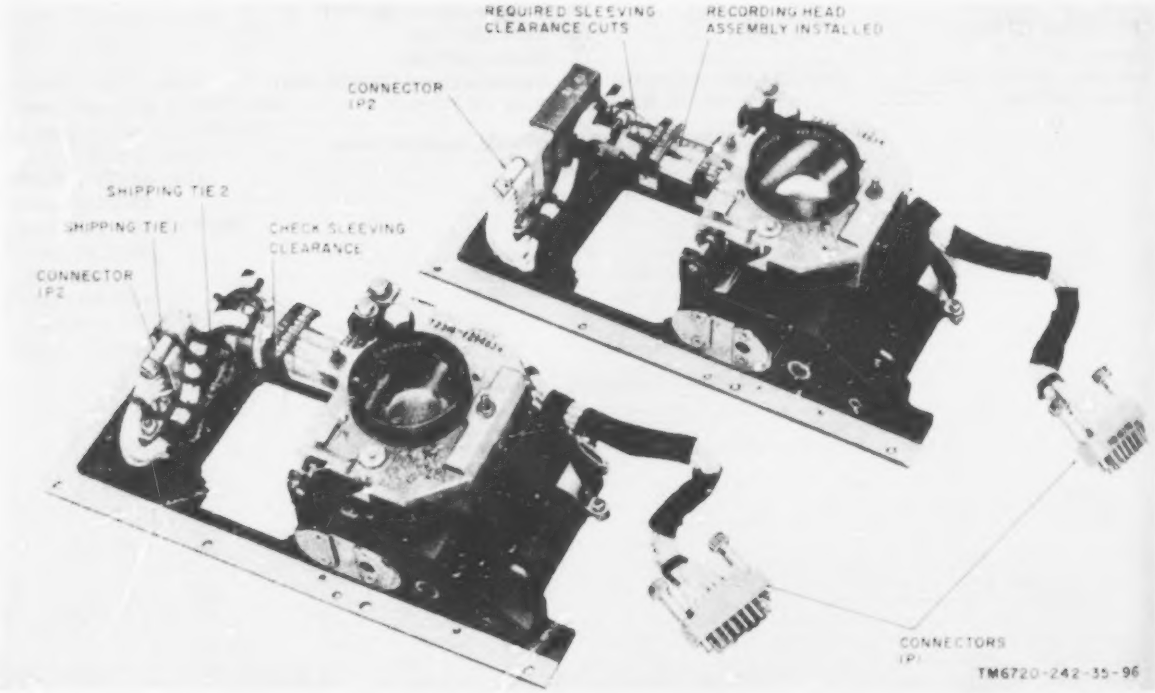

REQUIRED SLEEVING
CLEARANCE CUTS
RECORDING HEAD
ASSEMBLY INSTALLED
CONNECTOR
1P2
SHIPPING TIE 2
SHIPPING TIE 1
CHECK SLEEVING
CLEARANCE
CONNECTOR
1P2
CONNECTORS
(P)
TM6720-242-35-96

Figure 3-21. Aec assembly.

CHAPTER 4

GENERAL SUPPORT MAINTENANCE

Section I. TROUBLESHOOTING

4-1. Tools and Test Equipment Required for General Support Troubleshooting

a. The tools, test equipment, and materials listed in (1) and (2) below, as well as those designated for direct support (para 3-3), are required for troubleshooting at the general support level of maintenance.

(1) *Special tools and test equipment.*

Test equipment	*Use*
Interface board assembly test setup (fig. 4-1).	Check all circuits of interface board assembly.
AEC board assembly test setup (fig. 4-2).	Checks all circuits of aec board assembly.
Control board assembly test setup (fig. 4-3).	Checks all circuits of control board assembly.
Scan drive board assembly test setup (fig. 4-4).	Checks all circuits of scan drive board assembly.
Motor-tachometer assembly test setup (fig. 4-5).	Checks and calibrates the motor-tachometer assembly.

(2) *Materials.*

Material	*Part or type No.*	*Vendor*	*Use*
Solid film lubricant	MIL-L-8937		Lubricating diaphragm blades.
Synthetic grease	Anderol-L757	Lehigh Chemical Products Co.	Lubricating gears.
Solid film lubricant	MIL-L-8937		Magazine rocker arm assembly.
Molybdenum disulfide	MIL-M-7866		Lubricating imc spur gear and shaft.
Adhesive	No. 6128	U. S. Rubber Co.	Installing magazine cover gasket.
Eccobond cement	No. 45		Installing magazine film guides.
Methyl, ethyl keytone	TT-M-261		Removing cement from magazine cover.

b. The following instruments or equivalents are also required for general support troubleshooting:

(1) Digital Voltmeter AN/GSM-64.
(2) Oscilloscope AN/USM-140.
(3) Electronic Counter AN/USM-207.
(4) Pulse Generator, Dumont Model 404.
(5) Strobotac, General Radio Model 1531.

4-2. Fabrication of Test Fixtures

a. The test fixtures listed below are not supplied as components of the camera. They must be fabricated.

b. Refer to the applicable figure and construct a test set that permits a component board assembly to be plugged into a connector which is wired to the circuits and instruments shown in the illustration. An exception is a test setup for checking a motor and tachometer-generator assembly, which requires direct power connections and provisions for the mechanical coupling of a counter.

c. The test fixtures to be fabricated are illustrated in the figures designated.

(1) Interface board assembly test fixture (fig. 4-1).

(2) AEC board assembly test fixture (fig. 4-2).

(3) Control board assembly test fixture (fig. 4-3).

(4) Scan board assembly test fixture (fig. 4-4).

(5) Tachometer-generator calibration test fixture (fig. 4-5).

4-3. General Support Troubleshooting Procedures

The procedures prescribed for the lower categories of maintenance are applicable at the general support level of maintenance. Refer to chapter 3 of this volume and to TM 11-6720-242-12 for the data and procedures of these levels. The troubleshooting charts of paragraph 4-4 contain the symptoms, probable causes, and corrections of malfunctioning that could not be corrected at the lower categories of maintenance. However, troubles may have been localized or isolated at the lower levels but have not been corrected and in such cases only the corrective measures are required at the general support level.

4-4. Troubleshooting Charts

Troubleshooting charts for the camera body, camera control, control panel, and magazine are contained in this paragraph.

a. Troubleshooting Camera Body.

Item	Malfunction	Probable Cause	Corrective Action
1	No IMC operation	*a.* Mode relay K3 on control board assembly.	*a.* Check IMC signal circuit (para 4-8*f*). Replace defective part.
		b. Solenoid assembly	*b.* Replace solenoid (para 4-35).
		c. Solenoid lever	*c.* Replace solenoid lever (para 4-35).
2	Motor-tachometer outputs not coordinated.	*a.* Tachometer potentiometer R1, resistors R2, R3.	*a.* Check and replace faulty part.
		b. Tachometer-generator	*b.* Replace tachometer-generator (para 4-30).
3	Scan motor operation erratic or not effective.	*a.* Worn carbon brushes	*a.* Replace brushes (para 4-31).
		b. Brush retainer	*b.* Replace brush retainer (para 4-31).
		c. Motor and gear assembly	*c.* Replace motor and gear assembly (para 4-30).
4	Film advance improper	Worn puck	Replace puck (para 4-32).
5	Scan drive gear train operation faulty.	Worn or damaged gear	Examine each gear and replace where any defect is evidenced. Lubricate dry gears (para 4-37).
6	Scratched film	Focal plane plate	Replace (para 4-16).
7	Defective photography	Lens assembly	Replace lens assembly (para 4-19 and 4-20).
8	Incorrect exposure	*a.* Diaphragm blade	*a.* Examine both blades. Replace as necessary (para 4-19 and 20).
		b. Pivot plate	*b.* Replace if damaged (para 4-19 and 20).
		c. Defective pivot plate spring	*c.* Replace spring (para 4-20).
		d. Defective diaphragm blade guide	*d.* Replace blade guide (para 4-20).
		e. Shutter blade	*e.* Replace shutter blade (para 4-26).
			f. Check blade spring and replace if necessary (para 4-26).

Item	Malfunction	Probable Cause	Corrective Action
9	ADAS ineffective	*a.* Cathode ray tube *b.* Lens-mirror assembly *c.* Capping cam or capping link assembly.	*a.* Replace tube (para 3–14). *b.* Check and replace (para 4–27). *c.* Check and replace defective part (para 4–25).
10	End of film switch defective	Sensitive switch or switch actuator	Check and replace defective part (para 4–24).

b. Troubleshooting Camera Control.

Item	Malfunction	Probable Cause	Corrective Action
1	Slit in focal plane and aperture opening improperly controlled.	*a.* AEC log amplifier *b.* Photocell amplifier *c.* Scaling accuracy *d.* Motor speed	*a.* Check log amplifier AR1 outputs (para 4–7*b*). Replace R3 as directed. *b.* Check photocell amplifier AR2 outputs (para 4–7*c*). Replace defective parts. *c.* Check the scaling accuracy (para 4–7*f*). Replace defective parts. *d.* Check motor speed (para 4–7*e*).
2	Improper switchover from automatic to pulse operation.	Resistor R22 on control board assembly.	Check mode switch circuit (para 4–8*a*). Replace defective parts.
3	Incorrect timing between pulses.	*a.* Resistors R34 and R35 on control board assembly. *b.* Resistor R10 on control board assembly. *c.* V/H scaling network *d.* Voltage divider R13, R14, R15, and VR1 on control board assembly.	*a.* Check intervalometer calibration (para 4–8*b*). *b.* Check V/H VERT–1 circuit (para 4–8*c*). Replace as directed. *c.* Check V/H scaling network (para 4–8*d*). Replace defective parts. *d.* Check circuit (para 4–8). Replace defective parts.
4	Scan drive not functioning or scan motor speeds are erratic.	*a.* Gain or linearity circuits on scan board assembly. *b.* Scan control relay K1 on scan board assembly.	*a.* Check both circuits (para 4–9*a* through *d*). Replace defective parts. *b.* Check scan control relay K1 circuit (para 4–9*f*). Replace defective part.
5	Dynamic motor brake not operating.	Transistors Q12 and Q13 on scan board assembly.	Check circuit (para 4–9*e*). Replace defective part.

c. Troubleshooting Control Panel.

Item	Malfunction	Probable Cause	Corrective Action
1	Radio signals affecting camera operation.	Radio interference filter	*a.* Replace radio interference filter (para 4–45).
2	Frames remaining indicator inoperative.	*a.* Indicator defective mechanically or electronically. *b.* Pulse circuit on interface board assembly.	*a.* Replace frames remaining indicator (para 4–46). *b.* Test circuit (para 4–6). Replace malfunctioning part.
3	No +22 volts regulated control voltage or voltage variable.	*a.* Transistor Q3 on interface board assembly. *b.* Resistor R8 on interface board assembly. *c.* Voltage regulator VR3 on interface board assembly.	*a.* Check Q3 and replace, if necessary, (para 4–6). *b.* Check R8 and replace, if necessary, (para 4–6). *c.* Check VR3 and replace, if necessary, (para 4–6).
4	No pulse scan control relay K1 on scan board assembly.	Fail safe circuit on interface board assembly.	Check fail safe circuit (para 4–6*b*) and replace malfunctioning part.
5	No annotation pulse for aircraft equipment.	Annotation circuit on interface board assembly.	Check annotation circuit (para 4–6*e*) and replace malfunctioning part.
6	Extra picture switch inoperative.	Extra picture circuit on interface board assembly.	Check extra picture circuit (para 4–6*d*) and replace malfunctioning part.
7	No IMC operation	Q4 or R10 on interface board assembly.	Check IMC circuit (para 4–6*a*). Replace malfunctioning part.

d. Troubleshooting Magazine.

Item	Malfunction	Probable Cause	Corrective Action
1	Film does not take up	*a.* Broken belt	*a.* Replace belt (para 4-49).
		b. Film guides bent, binding film against pressure plate.	*b.* Replace bent film guide on pressure roller assembly (para 4-66).
2	Film frame is short, less than 11.4 inches.	*a.* Improper timing	*a.* Check alinement of camera body assemblies (para 4-66).
		b. Improper film threading	*b.* Thread magazine properly (TM 11-6720-242-12).
		c. Defective magazine brake	*c.* Check brake and replace, if necessary (para 4-50).
		d. Defective magazine clutch	*d.* Check clutch and replace, if necessary (para 4-52).
		e. Magazine pressure roller assembly	*e.* Check pressure roller assembly and replace, if necessary (para 3-42).
		f. Adas pressure plate set out of tolerance.	*f.* Check and reset adjustment of pressure roller, if necessary (para 4-63).
3	Film resolution is less than 25 lines.	*a.* Magazine keeper block assembly	*a.* Check installation of keeper block assembly and replace, if necessary (para 3-41).
		b. Leaf spring exhausted	*b.* Replace leaf spring.
		c. Magazine improperly seated on camera body.	*c.* Check for foreign matter, burs, or damage to mating surfaces.
4	Banding within negative frame.	*a.* Magazine pressure roller assembly	*a.* Check installation and smooth operation of pressure roller assembly (para 3-42) and replace, if necessary.
		b. Magazine keeper assembly	*b.* Check installation of keeper block assembly (para 3-41) and replace, if necessary.
		c. Improper threading	*c.* Thread magazine properly. (TM 11-6720-242-12).
		d. Defective magazine brake	*d.* Check brake and replace, if necessary (para 4-50).
		e. Defective magazine clutch	*e.* Check clutch and replace, if necessary (para 4-52).
5	Scratches on film	Surfaces of magazine film guides (that touch film) are not smooth.	Replace defective film guide (para 4-60).

4-5. Signal Substitution Tests

Use of the fabricated test fixtures described in paragraph 4-2 is necessary for the performance of the signal substitution tests contained in paragraphs 4-6 through 4-10. The test fixtures are illustrated in figures 4-1 through 4-5.

4-6. Testing Interface Board Assembly Circuits

NOTE

> When the designated value or condition of a test is not obtained, remove the interface board from the test fixture, then check the malfunctioning circuit with the help of figure 2-12, to isolate the faulty part or assembly for replacement.

a. Testing +22 Volts Dc Regulated and IMC Circuits.

(1) Insert the interface board assembly into the connector of the special test fixture shown in figure 4-1, set test switch S1 to on to connect +28 volts dc to the +22 volts dc regulator circuit.

(2) Connect the voltmeter across pin 1 and pin 5 and check for a reading of 21.5±2.0 volts dc. Then set test switch S3 to on and again check for a reading of 21.5±2.0 volts dc.

(3) Reconnect the voltmeter to pin 15 and pin 5. With switch S3 on, check for a reading that is less than 1.5 volts. Set test switch S3 to off.

(4) With the voltmeter still connected to pin 15 and pin 5, check for a reading of 21.5±2.5 volts dc.

(5) Set test switch S1 to off.

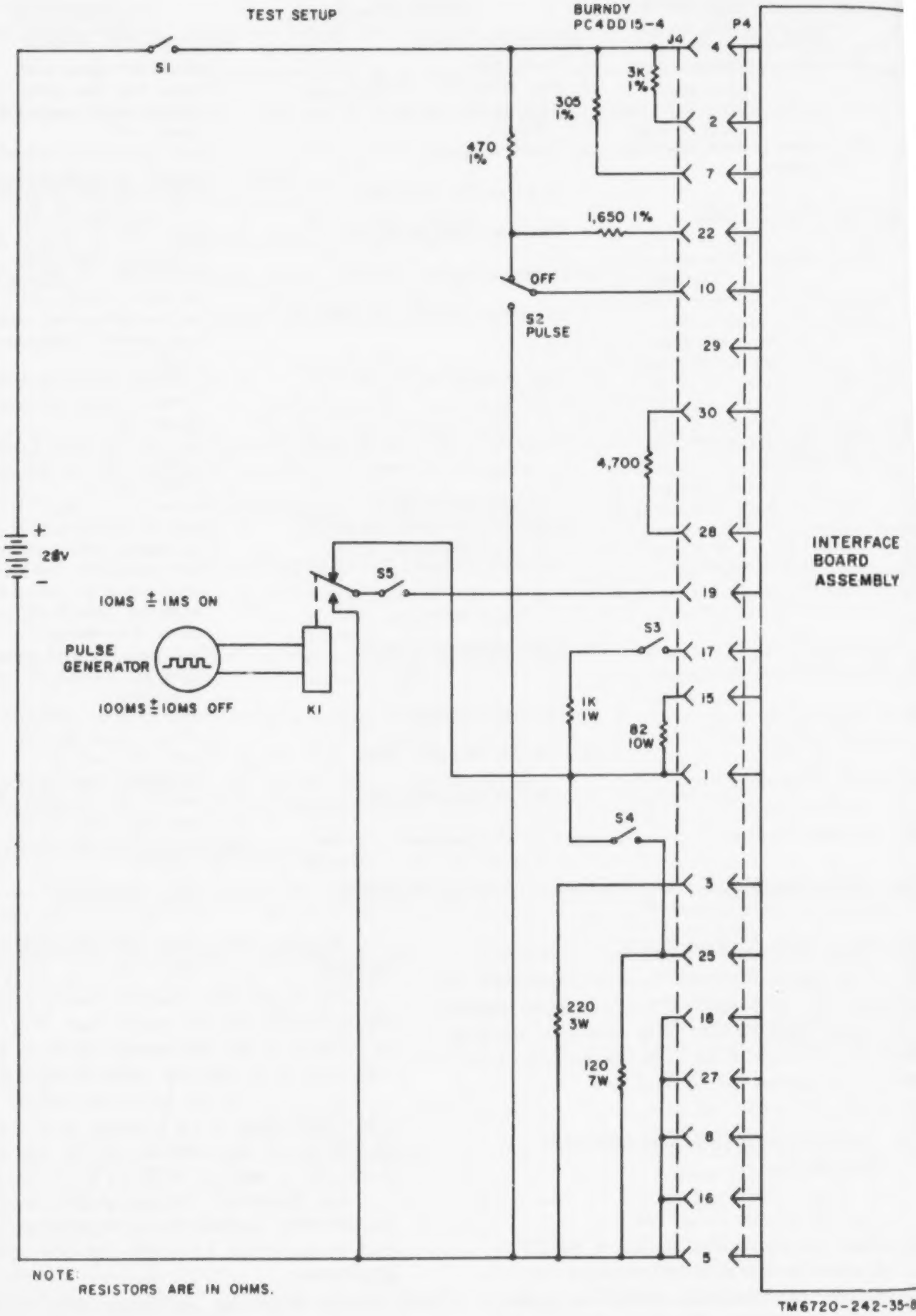
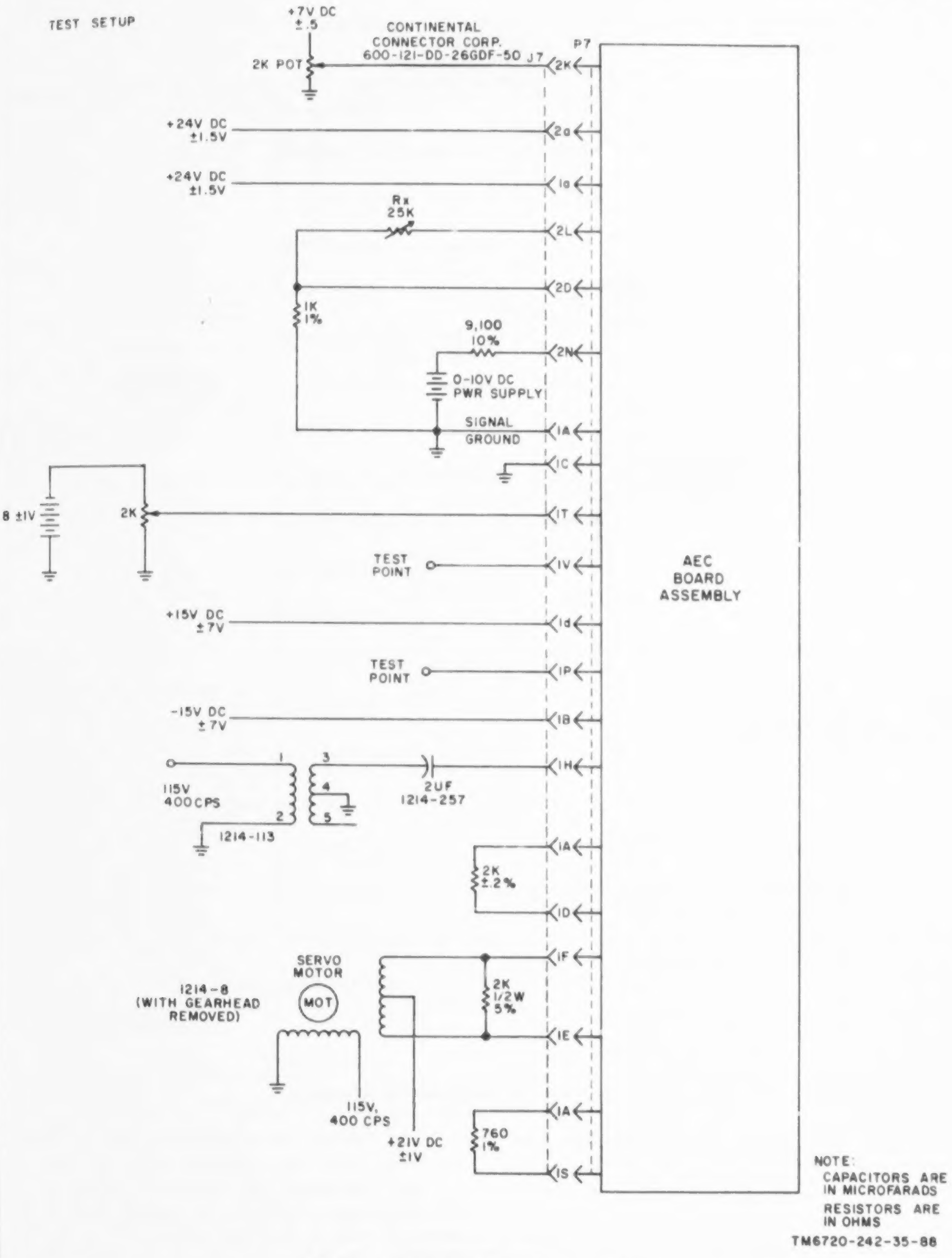

TEST SETUP
BURNDY
PC4DD15-4
J4
P4
S1
3K
1%
305
1%
470
1%
1,650 1%
OFF
S2
PULSE
4,700
+
28V
-
S5
10MS ± 1MS ON
PULSE
GENERATOR
100MS ± 10MS OFF
K1
S3
1K
1W
82
10W
S4
220
3W
120
7W
4
2
7
22
10
29
30
28
19
17
15
1
3
25
18
27
8
16
5
INTERFACE
BOARD
ASSEMBLY
NOTE:
RESISTORS ARE IN OHMS.
TM6720-242-35-8

Figure 4-1. Interface board assembly, test setup.


TEST SETUP
+7V DC
±.5
2K POT
CONTINENTAL
CONNECTOR CORP.
600-121-DD-26GDF-50
J7
P7
2K
+24V DC
±1.5V
2a
+24V DC
±1.5V
1a
Rx
25K
2L
2D
1K
1%
9,100
10%
2N
0-10V DC
PWR SUPPLY
SIGNAL
GROUND
1A
1C
8 ±1V
2K
1T
TEST
POINT
1V
AEC
BOARD
ASSEMBLY
+15V DC
±7V
1d
TEST
POINT
1P
-15V DC
±7V
1B
1
2
3
4
5
115V
400CPS
1214-113
2UF
1214-257
1H
1A
2K
±.2%
1D
SERVO
MOTOR
MOT
1214-8
(WITH GEARHEAD
REMOVED)
1F
2K
1/2W
5%
1E
115V,
400 CPS
+21V DC
±1V
1A
760
1%
1S

NOTE:
CAPACITORS ARE IN MICROFARADS
RESISTORS ARE IN OHMS

TM6720-242-35-88

Figure 4-2. Aec board assembly, test setup.

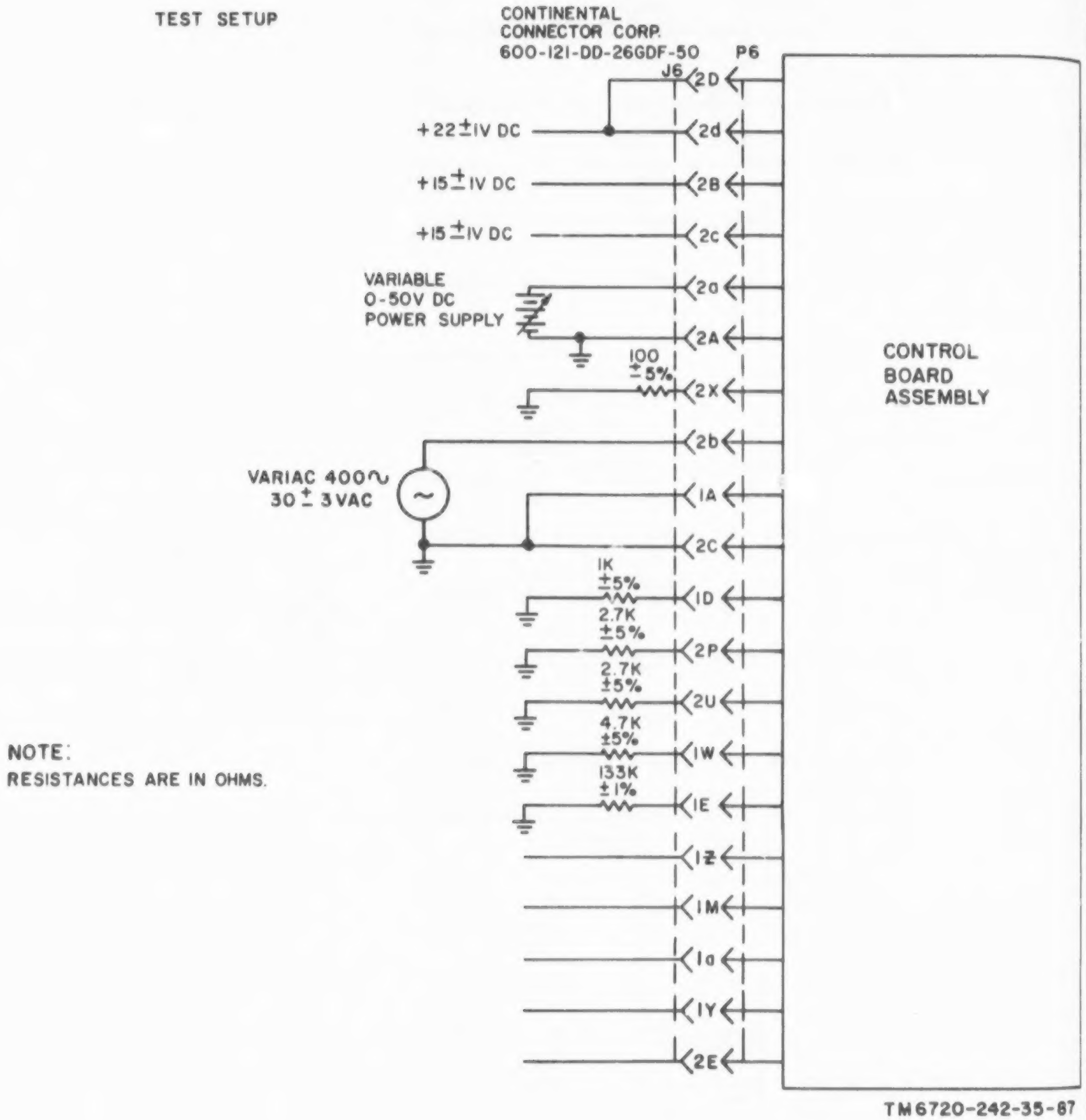

TEST SETUP
CONTINENTAL CONNECTOR CORP. 600-121-DD-26GDF-50
P6
J6
2D
+22±1V DC
2d
+15±1V DC
2B
+15±1V DC
2c
VARIABLE 0-50V DC POWER SUPPLY
2a
2A
100 ±5%
2X
2b
VARIAC 400∿ 30±3VAC
1A
2C
1K ±5%
1D
2.7K ±5%
2P
2.7K ±5%
2U
4.7K ±5%
1W
133K ±1%
1E
1Z
1M
1a
1Y
2E
CONTROL BOARD ASSEMBLY
NOTE:
RESISTANCES ARE IN OHMS.
TM6720-242-35-87

Figure 4-3. Control board assembly, test setup.

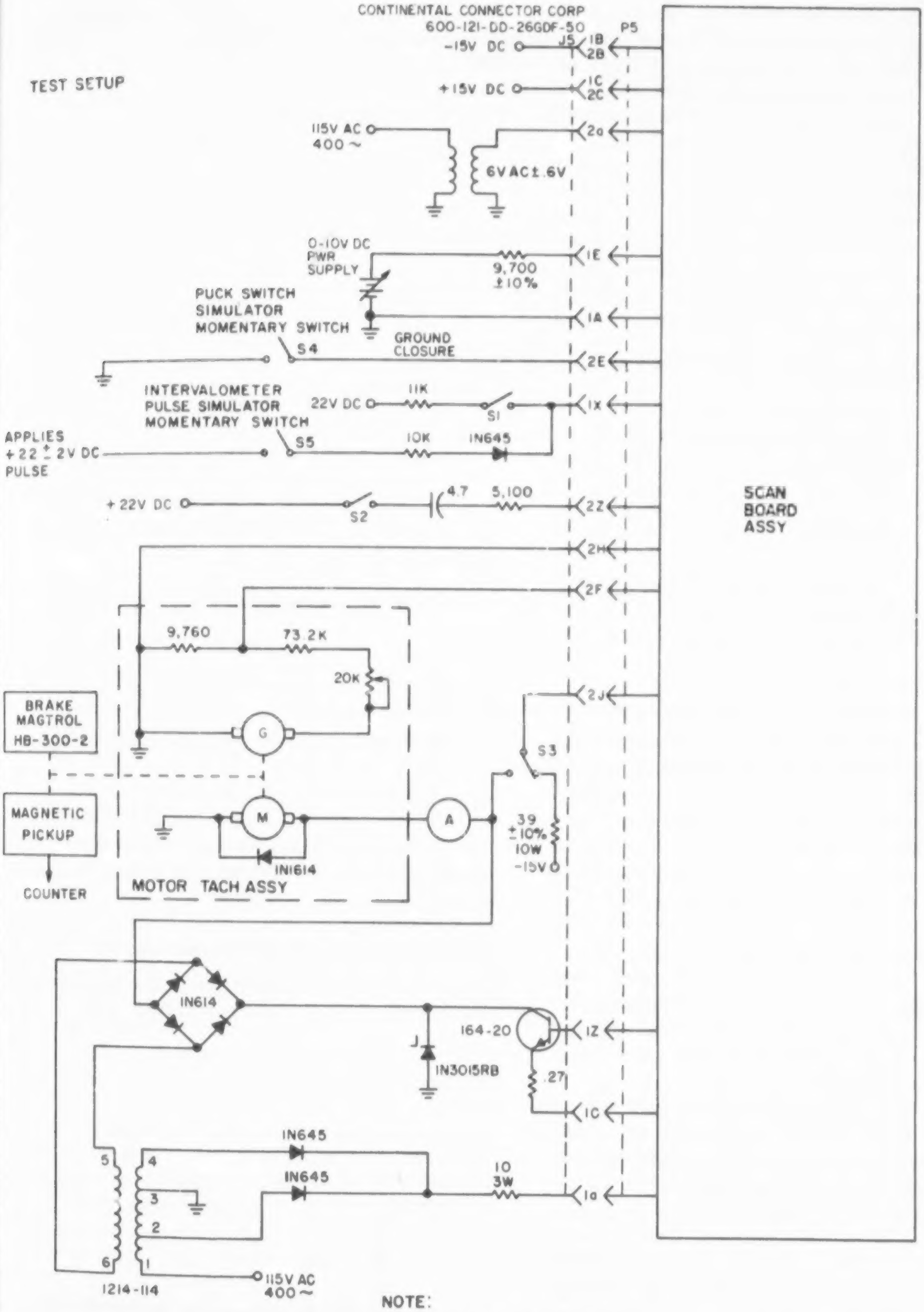
b. Testing Fail Safe Circuit. Set the test switches to the following initial positions:

S1 to on.
S2 to off.
S3 to off.
S4 to off.
S5 to off.

(1) Connect the voltmeter across pin 25 and pin 5 and check for a reading of 2.1±0.7 volts dc.

(2) Reconnect the voltmeter across pin 3 and pin 5 and check for a reading that is less than 1.0 volt dc. Set test switch S4 to on. The voltmeter reading must remain less than 1.0 volt dc.

(3) Set test switches S1 and S4 to off.


TEST SETUP
CONTINENTAL CONNECTOR CORP
600-121-DD-26GDF-50
J5
P5
-15V DC
1B
2B
+15V DC
1C
2C
115V AC
400 ~
2a
6V AC±.6V
0-10V DC
PWR
SUPPLY
9,700
±10%
1E
1A
PUCK SWITCH
SIMULATOR
MOMENTARY SWITCH
S4
GROUND
CLOSURE
2E
INTERVALOMETER
PULSE SIMULATOR
MOMENTARY SWITCH
22V DC
11K
S1
1X
APPLIES
+22 ± 2V DC
PULSE
S5
10K
1N645
+22V DC
S2
4.7
5,100
2Z
SCAN
BOARD
ASSY
2H
2F
9,760
73.2K
20K
BRAKE
MAGTROL
HB-300-2
G
2J
S3
MAGNETIC
PICKUP
M
A
39
±10%
10W
-15V
1N1614
COUNTER
MOTOR TACH ASSY
1N614
164-20
1Z
1N3015RB
.27
1C
1N645
1N645
10
3W
1a
5
4
3
2
6
1
1214-114
115V AC
400 ~

NOTE:

RESISTORS ARE IN OHMS.
CAPACITORS ARE IN MICROFARADS.

TM6720-242-35-86

Figure 4-4. Scan board assembly, test setup.

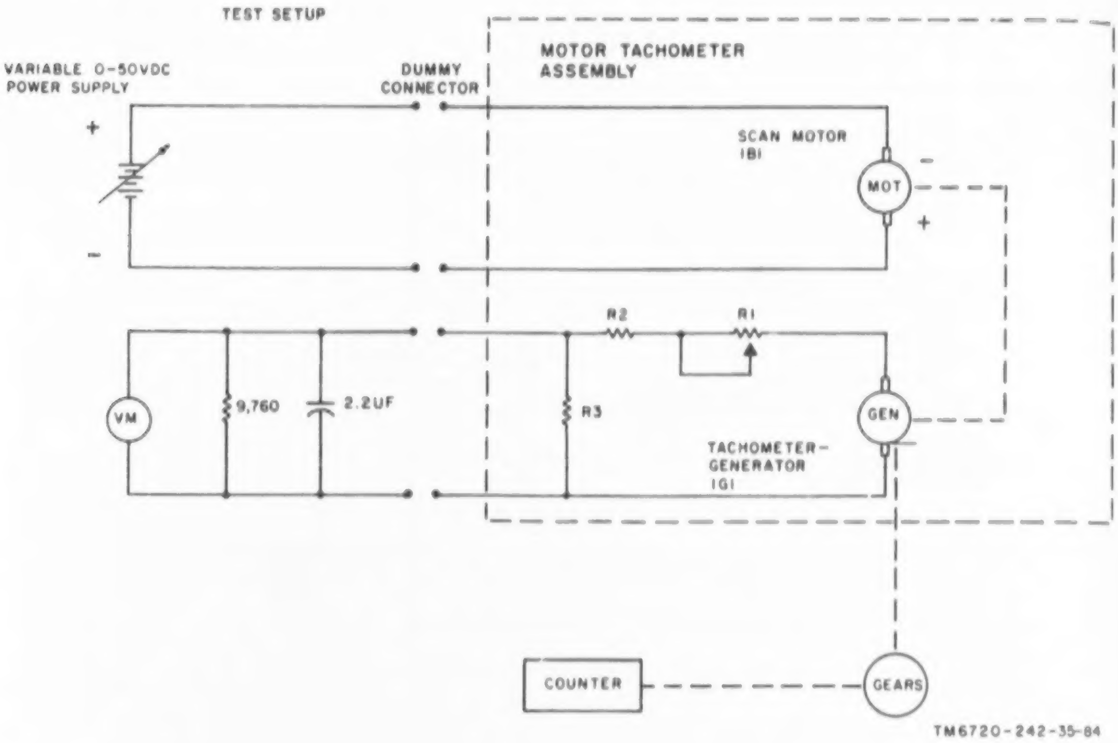

TEST SETUP
VARIABLE 0-50VDC POWER SUPPLY
+
-
DUMMY CONNECTOR
MOTOR TACHOMETER ASSEMBLY
SCAN MOTOR (B)
MOT
-
+
R2
R1
VM
9,760
2.2UF
R3
GEN
TACHOMETER-GENERATOR (G)
COUNTER
GEARS
TM6720-242-35-84

Figure 4-5. Tachometer-generator calibration, test setup.

c. Testing 115 VAC and 28 VDC Indicator Circuits. Set test switch S1 to on. All other test set switches to off.

(1) Connect the voltmeter across pin 7 and pin 5 and check for a reading of 4±1.0 volts dc.

(2) Reconnect the voltmeter across pin 2 and pin 5 and check for a reading of 13.5±1.5 volts dc.

(3) Set test switch S1 to off.

d. Testing Extra Picture Circuit. Set test switch S1 to on. All other test set switches off.

(1) Connect the voltmeter across pin 10 and pin 5 and check for a reading of 14±1.5 volts dc. Disconnect the voltmeter.

(2) Connect the oscilloscope across pin 22 and pin 5. Set test switch S2 to pulse and check the oscilloscope presentation for a waveform that conforms to that shown in figure 4-6.

(3) Set test switch S1 to off.

e. Testing Frames Remaining, Data Annotation, and Cycle Indicator Circuits. Set test switch S1 to on. All other test switches off. Connect the oscilloscope to pin 3 and pin 5.

(1) Set test switch S5 to on and check the oscilloscope presentation for frames remaining and cycle indicator waveform that conforms to that shown in figure 4-7. Set S5 to off.

(2) Connect the oscilloscope to pin 29 and pin 5.

(3) Set test switch S5 to on and check the oscilloscope presentation for an annotation pulse waveform that conforms to that shown in figure 4-8.

4-7. Testing AEC Board Assembly

Insert the aec board assembly in the connector of special test fixture shown in figure 4-2.

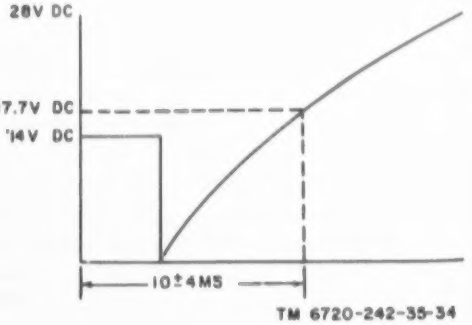


Figure 4-6. Extra picture circuit waveform.

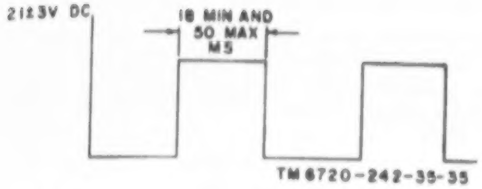


Figure 4-7. Frames remaining and cycle indicator circuit waveform.

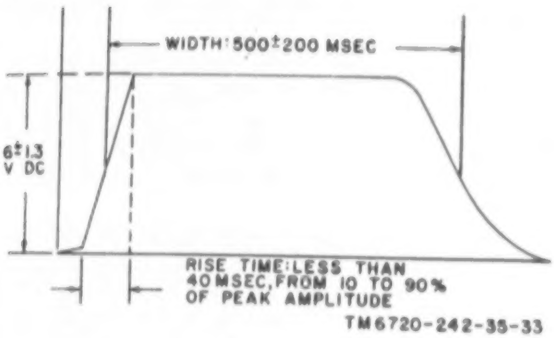

WIDTH: 500±200 MSEC
6±1.3 V DC
RISE TIME: LESS THAN 40 MSEC, FROM 10 TO 90% OF PEAK AMPLITUDE
TM 6720-242-35-33

Figure 4-8. Annotation pulse waveform.

NOTE

When the designated value or condition of a test is not obtained, remove the aec board from the test fixture, then trace the malfunctioning circuit (fig. 6-15) to isolate the faulty part or assembly for replacement.

a. Reference Voltage Adjustments.

(1) Adjust potentiometer R8 on the aec board assembly to obtain a reading of +7.0 ± 0.05 volts across pins 1D and 1A.

(2) Adjust potentiometer R21 on the aec board assembly to obtain a reading of -7.55 + 0.05 volts across pin 1S and pin 1A.

b. Log Amplifier Calibration.

(1) Adjust test potentiometer R. for an output of 6.3K hms, ±5 percent, measured across 2L and 2D.

(2) Adjust the test 2K potentiometer connected to pin 1T to obtain a reading of -6.0 ± 0.1 volt across pin 1T and pin 1A.

(3) Set potentiometers R13, R14, and R15 on the aec board assembly at the approximate center of their travel (10 turns from either travel limit).

(4) Measure across resistor R3 for a rating of 163 ohms.

(5) Obtain the output voltages designated in the following list for the indicated input voltages by adjusting potentiometers R13, R14, and R15, coordinately. R15 will be most effective in the adjustment of the lower output voltages, R13 of the higher voltages, and R14 of the midrange voltages. Make the adjustments as follows, and in the sequence the values are listed.

(6) Connect the voltmeter across pin 2N and pin 1A (signal ground). Adjust the test fixture power source connected to pins 2N and 1A until the given input voltage value is read on the voltmeter. Reconnect the voltmeter to pin 1P. The connection to 1A remains. Then adjust R13, R14, R15 to obtain the given output voltage value for the input voltage being applied.

Input volts pins 2N-1A	*Output volts pins 1P-1A*
0.4 ±0.004	4.90 ±0.25
0.8 ±0.008	5.80 ±0.25
1.2 ±0.01	6.33 ±0.25
1.6 ±0.01	6.70 ±0.25
2.0 ±0.02	6.99 ±0.25
3.2 ±0.03	7.60 ±0.25
4.8 ±0.04	8.13 ±0.25

c. Testing Photocell Amplifier.

(1) Connect the voltmeter across pin 1V and pin 1A and check for a reading of 1.0 ± 0.02 volt.

(2) Connect the voltmeter across pin 2L and pin 1A. Adjust the test potentiometer R. successively for the values in the following list and check the voltmeter for the indicated voltage readings.

R_s	*Output voltage 0.8vdc Pin 2L-Pin 1A*
9.0K ohms 1%	10.0
6.3K ohms 1%	7.3
2.7K ohms 1%	3.7

d. Testing AEC Amplifier for Gain and Maximum Drive.

(1) Connect the voltmeter across pins 2N and 1A and adjust the test fixture 0-10 vdc power supply for a reading of +0.40±0.01 vdc.

(2) Adjust the test potentiometer connected to pin 1T to obtain a reading of -6.9±0.1vdc across pins 1T and 1A.

(3) Connect the voltmeter to pins 2L and 1A and adjust the test potentiometer R. to obtain a reading of +4.0±0.1 vdc.

(4) Connect the voltmeter across pins 1E and 1F (neither pin grounded) and adjust the voltage input to pin 2K to obtain a reading of 0 (zero) ±0.5 volt rms. This will null the motor and cause it to stop.

(5) Connect the voltmeter across pins 2K and 1A and check for a reading that must be +2.0± 0.7 vdc. Record the voltage reading.

(6) Connect the voltmeter across pins 1E and 1F (neither pin grounded) and increase the voltage input across pins 2K and 1A to obtain a reading of 8±0.5 volts, rms. The voltage change across pins 2K and 1A, over that recorded in step (4) shall be +0.075±0.03 vdc.

(7) With the voltmeter connected across pins 1E and 1F, increase the voltage input across pins 2K and 1A until a reading of 12 volts rms is obtained.

(8) Decrease the voltage input across pins 2K and 1A to below the value recorded in step (4) to obtain a voltmeter reading of 8±0.5 volts, rms. The voltage change across pins 2K and 1A shall be +0.075±0.03 vdc below the value recorded in step (4).

(9) Decrease the voltage input across pins 2K and 1A to obtain a voltmeter reading across pins 1E and 1F of 12 volts, rms.

e. Checking Motor Speed. With the motor free to rotate, connect the voltmeter across pins 1E and 1F. Adjust the input voltage across pins 2K and 1A to obtain a meter reading of 12 volts rms. Use a strobotac to check that the motor shaft is rotating at a speed of 3000 rpm.

f. Testing Scaling Accuracy.

(1) Adjust the voltage supply connected to pin 1T for an input of -6.0±0.006 vdc.

(2) Connect the voltmeter to pin 1P. Adjust the power supply connected to pin 2N to obtain a reading of +6.0±0.006 vdc.

(3) Connect the voltmeter to pin 2L and pin 1A and adjust test potentiometer R_x to obtain a meter reading of -3.0±0.003 vdc.

(4) Connect the voltmeter across pins 1E and 1F (neither pin grounded) and adjust the voltage input to pin 2K to obtain a null voltage (minimum) meter reading.

4-8. Testing Control Board Assembly

Insert the control board assembly into the connector of the special test fixture, shown in figure 4-3.

NOTE

> When the designated value or condition of a test is not obtained, remove the control board assembly from the test fixture and trace the malfunctioning circuit in figure 6-14 to isolate the faulty part or assembly for replacement.

a. Checking Mode Switchover Resistor R22. The proper value of resistor R22 is selected by test from among the following listed values. If the switchover from autocycle mode has not been consistent with the v/h input, replace R22 with a resistor of different value and perform the following procedures to check its suitability. The replacements must be repeated until the given test results are obtained. Resistors are 1/8 watt, have a tolerance of ±1 percent, and have the following values:

14.3K
15.4K
14.7K
15.8K

(1) Connect a jumper wire between pins 2a and 1Z.

(2) Adjust the power supply for an input of 12±1vdc across pins 2a and 2A. Connect the voltmeter across pins 2u and 1A and check for a reading of 11±2vdc, as an indication that the mode relay K3 is in the autocycle position (energized).

(3) Decrease the voltage at pin 2a until the 11vdc disappears from pin 2U and appears at pin 2P. This voltage at pin 2a must be between +7.9 and +8.7 vdc. If the reading is not within this range, replace R22 with a resistor of different value from among those listed until the proper voltage is achieved.

(4) Decrease the voltage at pin 2a to +6.0 ±0.5vdc. The voltage at pin 1W shall be +11 ±2vdc.

(5) Increase the input voltage until +11vdc disappears from pin 2P and appears at pin 2U. The value of the input voltage at pin 2a must be between +8.9 and +10.2vdc.

(6) Compare the difference in the present input voltage to pin 2a with that recorded in step (4). The difference shall be greater than 0.8 volt but less than 2.5vdc.

(7) Remove the jumper wire between pins 2a and 1Z when the test has been completed.

b. Intervalometer Calibration. Resistors R34 and R35 are selected by test from among the following listed values if the timing between intervalometer pulses has been found incorrect. Resistors R34 and R35 must be changed until the correct value is determined by performing the following procedures. Resistors are 1/8 watt and have a tolerance of ±1 percent and have the following values:

R34	*R35*
22.1K	12.4K
23.2K	13.0K
24.3K	13.7K
25.5K	14.0K
26.7K	14.7K
28.0K	15.4K
29.4K	

(1) Connect a jumper wire between pins 2a and 1Z.

(2) Connect the oscilloscope and the electronic counter to pins 2M and 2A (ground).

(3) Adjust the power supply for an input of +4.6±0.01 vdc. The time between pulses appearing on the oscilloscope must be 2±0.02 seconds. If this is not the case, keep replacing the value of R35 until the timing is as specified.

(4) Adjust the power supply for an input of +2.017±0.05vdc. The time between pulses appearing on the oscilloscope shall be 4.26±0.05 seconds. If this is not the case, keep replacing R34 until the timing is as specified

(5) If R34 was changed in step (4), step (3) must be repeated. If R35 was changed in step (3), step (4) must be repeated.

(6) Adjust the power supply for an input of +7.00±0.01vdc.

(7) Check that the waveform on the oscilloscope is as shown on figure 4–9.

(8) Connect +22±2vdc to pin 1a. Connect the oscilloscope to pins 2X and 2A (ground) and check that the waveform is as shown in figure 4–10.

(9) If there is difficulty in meeting the conditions stipulated in steps (3) through (8), replace VR5. If type 1N752A is presently used, replace it with 1N751A or vice versa.

(10) Remove the jumper wire from between 2a and 1Z.

c. Checking and Selecting R10. This test is performed with the values of R22, R34, and R35 as selected above still in the unit and without the jumper between pins 2A and 1Z. Resistor R10 has a tolerance of ±1 percent, is rated at 1/8 watt and is selected from among the following:

536 K
549 K
562 K

(1) Adjust the power supply for an input of +7.818±0.05 vdc to pins 2a and 2A (ground).

(2) Connect the oscilloscope and the electronic counter to pins 2M and 2A and check for a time of 4.0±0.06 seconds between pulses. If this is not the case, replace R10 until the timing is as specified.

d. Testing the V/H Scaling Circuits.

(1) Connect a jumper wire between pins 2a and 1Y, another jumper between pins 2a and 1Z.

(2) Connect +22±2vdc between 1a and 2C (ground).

(3) Adjust the power supply for an input of +12.0±.003 vdc to pins 2a and 2A (ground).

(4) Connect the voltmeter across pins 2E and 2A and check for a reading that is between 0.535 and 0.552 vdc.

(5) Connect the voltmeter to pins 1E and 2A and check for the same reading.

(6) Remove the +22±2 vdc from pins 1a and 2C (ground).

(7) Connect the voltmeter to pins 1E and 2A and check for a reading of between 0.535 and 0.552 vdc.

(8) Remove the jumper between pins 2a and 1Y. With the voltmeter still connected across pins 1E and 2A, the reading shall be between +0.1528 and +0.1582 vdc.

(9) Remove the jumper from pins 2a and 1Z.

e. Checking and Selecting R15. The proper value of resistor R15 is selected by test from among the following listed values. They have a tolerance of ±1 percent and are rated at 1/8 watt.

97.6
100
102
105
107
110
113

(1) Connect +22±2 vdc across pins 1a and 2C (ground).

(2) Adjust the power supply for an input of +4.0±0.1 vdc across pins 2a and 2A.

(3) Connect the voltmeter across pins 1E and 2A and check for a reading of +0.800±0.016 vdc. Connect the voltmeter across pins 2E and 2A and check again for the same reading.

(4) If a reading of +0.800±0.016 vdc is not obtained in step (3), substitute R15 with resistors from the above list. With each substitution, repeat the test until the specified voltage is obtained.

(5) Disconnect +22±2 vdc across pins 1a and 2C.

(6) Connect the voltmeter across pins 1E and 2A and check for a reading of +0.800±0.016 vdc. Connect the voltmeter across pins 2E and 2A and check for the same voltage.

f. Checking IMC Signal.

(1) Connect a jumper wire between 2a and 1Z.

(2) Adjust the power supply for an input of +12±1 vdc across pins 2a and 2A (ground).

(3) Apply +22±2 vdc between pins 1a and 2C (ground).

(4) Connect the voltmeter across pins 1D and 2C and check for a reading of +11±2 vdc.

(5) Remove the +22 vdc from pins 1a and 2C The voltmeter reading at pin 1D should now be zero volts (open circuit).

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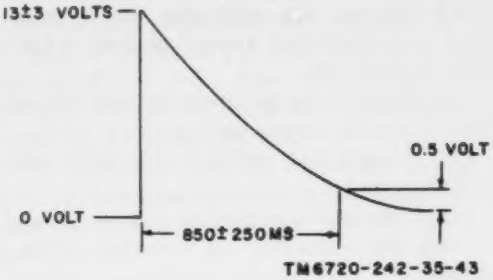


Figure 4-9. Intervalometer waveform at pin 2U.

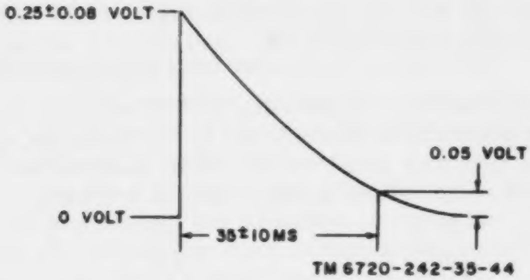


Figure 4-10. Intervalometer waveform at pin 2X.

4-9. Testing Scan Board Assembly

Insert the scan board assembly into the connector of the test fixture shown in figure 4-4.

NOTE

> When the designated value or condition of a test is not obtained, remove the scan board assembly from the test fixture and trace the malfunctioning circuit is figure 6-16 to isolate the faulty part or assembly for replacement.

a. Preliminary Procedure. Set scan board assembly potentiometer R20, 20 turns counterclockwise before the power is connected, Set test switch S1 to on.

b. Balance Adjust.

(1) Adjust the power supply for an input of 0.8±0.01 volt dc across pin 1E and pin 2H (signal ground)

(2) Place test switch S3 to connect the motor tachometer assembly to 2J.

(3) Adjust the test set motor-tachometer brake arrangement to obtain a motor load current reading on the test ammeter of 0.33±0.06 amperes.

(4) Connect the oscilloscope to pins 1Z and 1C (ground). Adjust the scan board assembly potentiometer R25 to obtain the same waveform pulse width as shown in figure 4-11.

c. Gain Adjust.

(1) Adjust the power supply for an input of 0.40±0.004 volt dc across pins 1E and 2H (signal ground)

(2) Adjust the motor load for a reading of 0.24±0.02 amperes on the ammeter. Check the counter for a motor speed of 1000±40 rpm.

(3) Increase the motor load for a reading of 0.56±0.04 ampere.

(4) Adjust the scan board assembly potentiometer R22 so that the change in speed for the change in motor load (step (3) above) is 22±4 rpm.

(5) Connect the oscilloscope to pins 1M and 2 (signal ground). With the motor load at 0.24 ±0.02 ampere, the voltage of the oscilloscope display should go negative.

d. Linearity Test.

(1) Adjust the power supply for an input of 0.40±0.004 volt across pins 1E and 2H (signal ground). Then adjust the motor load for a reading of 0.24±0.02 ampere.

(2) Maintain the motor load torque set in step (1) above and perform the linearity checks of the following list. Adjust the power supply successively for the input voltages listed and then check the motor speed for the rpm indicated for each voltage input.

Input voltage Pin 1E-Pin 2H	*Motor speed (rpm)*	
	Min.	*Max*
0.400±0.001	970	1,030
0.800±0.002	1,940	2,060
1.600±0.004	3,880	4,120
3.200±0.008	7,680	8,240
4.800±0.012	11,640	12,360

(3) If there is a variation in the linearity at low speeds (input voltages of 0.400 and 0.800 volt) replace resistor R33 with one just above or below the 33 K ohm value until the indicated motor speeds are obtained.

e. Dynamic Brake Transistor Test. Connect pin 2E to ground. Set test switch S2 so it will connect -15 vdc to pin 2J. Connect the voltmeter across pin 2J and pin 1C and check for a reading that is between zero and -3.2 vdc.

f. Scan Control Relay K1 Test.

(1) Set test switch S1 to the off position.

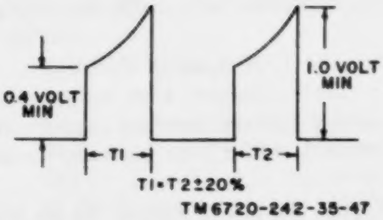


Figure 4-11. Pulse width balance waveform.

(2) Adjust the power supply for an input of +0.40±0.08 vdc across pins 1E and 2H (ground). The scan motor will not rotate.

(3) Simulate the intervalometer pulse by quickly turning the momentary switch S5 on and off for a single +22 ± 2 vdc pulse. Check the counter for a motor speed of 1000 ± 180 rpm.

(4) Simulate the puck switch pulse by turning the momentary switch S4 on and off. The scan motor must stop.

(5) Set test switch S1 to the on position. The scan motor will rotate at 1000 ± 180 rpm.

(6) Hold momentary switch S4 in the on position. The scan motor must continue to run at 1000 ± 180 rpm.

(7) Set test switch S1 to the off position. The scan motor must stop. Release the momentary switch S4.

(8) Close test switch S2 momentarily. The rotation of the motor at the 1000 ± 180 rpm speed will indicate that scan control relay K1 operated.

4-10. Testing Tachometer-Generator Calibration

a. Connect the scan motor and tachometer-generator assembly to the test setup as shown in figure 4-5.

NOTE

When the designated value or condition of a test is not obtained, replace the malfunctioning component.

b. Adjust the power supply connected to the scan motor leads to obtain a reading of 1000 rpm on the counter. Approximately 4.5 vdc will be needed.

c. Adjust potentiometer R1, located on the printed circuit board mounted at the end of the tachometer, to obtain an initial reading of +0.560 ±0.001 vdc measured across the 9760-ohm resistor. The final reading permits a tolerance of 0.006 vdc.

d. Increase the voltage to obtain a reading of 5000 rpm on the counter. Check the voltmeter for a reading of +2.80 ± 0.03 vdc. Readjust potentiometer R1 to correct any variation in the reading.

e. Increase the voltage to obtain a reading of 8000 rpm on the counter. Check the voltmeter for a reading of +4.48 ±0.05 vdc. Readjust potentiometer R1 to correct any variation in the reading. Then repeat steps *b* and *c* above.

f. Increase the voltage to obtain a reading of 12,000 rpm on the counter. Check the voltmeter for a reading of +6.72 ±0.07 vdc. Readjust potentiometer R1 to correct any variation in the reading. Then repeat steps *c*, *d*, and *e* above.

g. When all calibration values of the tachometer have been met, seal the potentiometer R1 adjustment screw with glyptal.

Section II. REPAIRS AND ALINEMENTS

4-11. General

The procedures of this section include the removal, disassembly, reassembly, and installation procedures of the assemblies and parts which are serviced at the general support level of maintenance. Alinement procedures are a part of reassembly and installation and are included with the instructions of these procedures.

4-12. General Parts Replacement Techniques

The techniques and procedures contained in paragraph 3-7 are applicable for repairs and alinements at the general support level of maintenance. There are no other special instructions for general support maintenance.

4-13. Considerations Before Disassembly

The practices pertaining to removal and disassembly procedures are contained in paragraph 3-8. These practives are applicable at the general support level of maintenance.

4-14. Repair and Alinement of Body Drive, Aircraft Camera LA-411A Components

Procedures for repairing and alining camera body assemblies and parts by general support personnel are contained in paragraphs 4-14 through 4-37.

4-15. Repair and Alinement of AEC Assembly

The aec assembly is an integrated component of the camera body. Procedures for the repair and alinement of the aec assembly by general support personnel are contained in paragraphs 4-16 through 4-28.

4-16. Removal and Replacement of Focal Plane Plate
(fig. 3-3 (1))

a. Removal. Remove four screws (2) securing focal plate (1) to the housing (129). Remove two locating pins (3) from housing (129).

b. Replacement.

(1) When installed, the focal plane plate (1) must conform to the following precise dimensions with relation to the shutter blade.

(*a*) With shutter blade (121) (fig. 3-3 (4)) closed to the limit of its mechanical stop and the phasing hole in housing (129) concentric within 0.001 inch with the phasing hole in the cam of cam-shaft assembly (82) (fig. 3-3 (3)), check the following dimensions:

(*b*) The edge of the shutter blade (121) must be parallel with the focal plane slit within 0.0005 inch. The clearance between the ends of the shutter blade and focal plane slit must be a minimum of 0.001 inch. The minimum opening must be 0.020 ± 0.001 inch.

(2) Position the focal plane plate (1) (fig 3-3 (1)) on housing (129) and adjust for the dimensions stipulated in (1) (*b*) above

(3) Secure with the four screws (2).

4-17. Removal and Disassembly of Cam Follower Arm (IMC)
(fig. 3-3 (1))

a. Removal.

(1) Remove the aec assembly from the camera body (para 3-9).

(2) Remove the shoulder screw (16) securing the cam follower arm (15) to the carriage assembly (4).

(3) Remove the spring (19).

b. Disassembly. Remove the retaining ring (20), bearings (18), and cam follower (17) from the cam follower arm (15).

4-18. Reassembly and Installation of Cam Follower Arm

a. Reassembly. Replace the cam follower arm (15) and reassemble the parts in reverse of the disassembly procedures (*b* above).

b. Installation. Position the cam follower arm (15) and the assembled parts on the carriage assembly (4) and secure with a replacement shoulder screw (16).

4-19. Removal and Disassembly of the Carriage Assembly Components
(fig. 3-3 (1))

a. Removal.

(1) Remove the setscrew (6) securing the shaft of the shaft and bushing assembly (5) to housing (129). Remove the shaft. The two bushings will remain in the carriage.

(2) Remove the two setscrews (8) securing the shaft (7) in the carriage (4). Remove the shaft (7) with care to prevent damaging the lens assembly (9).

b. Disassembly.

(1) Remove the cam follower arm (para 4-17).

(2) Remove the retainer ring (31) and spacers (32-34) from the shaft of the pivot plate assembly (25). Restrain the spring (26) and withdraw the shaft of the pivot plate assembly (25) from the carriage (4). Withdraw the upper and lower diaphragm blades (23 and 24) from the diaphragm blade guide (21).

(3) Remove the three screws (22) securing the diaphragm blade guide (21) to the carriage (4).

(4) Remove the four screws (10) securing the lens assembly (9) to the carriage (4). Remove the lens assembly (9) and the shims (11-14).

4-20. Reassembly and Installation of Carriage Assembly
(fig. 3-3 (1))

a. Reassembly.

(1) The distance from the top surface of the focal plate (1) to the surface of the lens mounting flange (9), which mates with the carriage assembly (4), must be held to 2.875±0.001 inches with the lens assembly mounted in the carriage assembly (4). Use the shims (11-14) to establish this measurement, then secure the lens assembly with the four screws (10).

(2) Coat about three-sixteenths inch of the top and bottom outer surfaces of the both diaphragm blades with solid film lubricant.

(3) Insert the lower diaphragm blade (24) first and the upper diaphragm blade (23) next in the diaphragm blade guide (21). Secure the blade guide to the carriage (4) with the three screws (22).

(4) Insert the shaft of the pivot plate assembly (25) through the spring (26), and on through the hole in the diaphragm blade guide (21) and the hole in the carriage assembly (4). The two

pins in the pivot plate assembly (25) must extend through the respective slots in the upper and lower diaphragm blades (22 and 24).

(5) Insert the required number of the spacers (32-34) over the end of the pivot plate shaft (25) which extends below the carriage, to limit the end play from 0.001 to 0.003 inch. Secure the assembly in place with the retaining ring (31). Check the rotation of the pivot plate shaft (25) for freedom of movement.

(6) Engage the straight end of the spring (26) with the pin that is inserted in the lower diaphragm blade (24), Rotate the spring and insert the looped end under the screw (22). Tighten the three screws (22) to secure the diaphragm blade guide (21) in place.

(7) Reassemble the cam follower arm (para 4-17).

b. Installation. Installation of the carriage assembly is a reversal of the removal procedures described in *a* above.

4-21. Removal and Replacement of Upper and Lower Diaphragm Blades

Refer to paragraph 4-19 for the removal and replacement procedures of the upper or lower diaphragm blades.

4-22. Removal and Replacement of Optical Lens Assembly

Refer to paragraphs 4-19 and 4-20 for the removal and replacement procedures of the optical lens assembly.

4-23. Removal and Replacement of the Carriage Assembly

Refer to paragraph 4-19 for the removal and replacement procedures of the carriage assembly.

4-24. Removal and Replacement of Sensitive (End of Film) Switch, Switch Actuator, and Switch Bracket

(fig. 3-3 (3))

a. Removal.

(1) Remove the two screws (85) securing the plate (86), switch (84), actuator (87), and nut plate (88) to the bracket (89).

(2) Remove the screws (90) securing the bracket assembly (89) to the housing (129).

(3) Remove the pin (96) and the retaining ring (93) to disassemble the actuator (91) from the bracket (89).

b. Replacement and Installaion.

(1) Replace and reassemble the switch actuator (91) in the bracket (89) in the reverse order of the disassembly procedures ((3) above).

(2) Then attach the bracket (89) to the housing (129) and install the switch (84) and the switch actuator (87).

(3) Refer to paragraph 3-10 and adjust the switch installation as described in the procedures.

4-25. Removal and Replacement of Capping Link and Capping Blade

(fig. 3-3 (4))

a. Removal.

(1) Release the spring (107) from the capping link (103) and the housing (129).

(2) Remove the retaining ring (104), spacer (105).

(3) Remove two screws (109) securing the capping link trunnion (108) to the housing (129). Withdraw the trunnion shaft from the spring (107), capping link (103), and the shim (105).

(4) Remove the retaining ring (112) and the spacers (113 and 114) from the shaft of the capping blade (122). The capping blade can then be withdrawn from the shutter blade trunnion (116).

b. Replacement. Install a capping link (103) and capping blade (122) in the reverse sequence of the removal procedures.

4-26. Removal and Replacement of Shutter Blade

(fig. 3-3 (4))

a. Removal.

(1) Unhook the spring (120) from the shutter blade (121). Remove the two screws (117) securing the shutter blade trunnion (116) to the housing (129).

(2) Remove the retaining ring (112) and the spacers (113 and 114) from the capping blade shaft (122) extending through the shutter trunnion (116). Remove the capping blade (122).

(3) Remove the shutter trunnion (116). The diaphragm link (118) and shutter blade (121) will now be free for removal.

b. Replacement. Install a shutter blade (121) in the reverse sequence of the removal procedures.

4-27. Removal and Replacement of Lens-Mirror Assembly and Recording Head Assembly

(fig. 3-3 (2))

a. Removal.

(1) Remove the cable clamps and the recording head assembly (para 3-15).

(2) Remove the two screws (50) securing the lens-mirror assembly (49) to the housing (129). Remove the lens-mirror assembly (49) and the shims (51 through 54).

b. Replacement.

(1) Install a lens-mirror assembly (49) in the reverse sequence of the removal procedures (*a* above) and aline the position of the lens-mirror assembly as described in (2) below.

(2) Use the shims (51 through 54), as required to aline the circular mounting hole in the lens-mirror assembly (49) into which the recording head assembly is inserted, with the circular hole of the housing which similarly supports the opposite end of the crt. Measured vertically, the center of the housing opening and the center of the lens-mirror assembly opening must not vary more than 0.007 inch.

(3) Install the rha assembly and the holding and cable clamps as described in paragraph 3-15.

4-28. Removal and Replacement of Cam Shaft Assembly

(fig. 3-3)

a. Removal.

(1) Remove the capping blade (para 4-25) and the shutter blade (para 4-26).

(2) Remove the screw (56), saddle washer (57) and the cable clamp (58).

(3) Release the three screws (74) and rotate the clamps (73) out of the slot in the potentiometer (72).

(4) Open the coils of the coupling spring (75) by rotating both ends toward each other and withdrawing the potentiometer shaft from the spring coupling.

(5) Remove the two screws (65) securing the cam stop (64) to the housing (129).

(6) Remove the pin (83) securing the cam and gear assembly (82) to the cam shaft (81).

(7) Remove the two retaining rings (76). One is located on the outer end of the cam shaft (81) and the other, with the spacers (77-79) and the ball bearing (80), inside the housing (129).

(8) Slide out the cam shaft (81) through the cam and gear assembly (82).

b. Replacement.

(1) Replacement of a cam-shaft assembly is essentially the reverse of the removal procedure described in *a* above and in conjunction with the following procedures for calibrating the aec feedback potentiometer (72) and setting the mechanical stop.

(2) When the replacement cam-shaft assembly has been installed, the stop pin (83) must be in contact with cam stop (64) when the phasing hole in the housing (129) is concentric within 0.001 inch with the phasing hole in the cam and gear assembly (82) (fig. 4-12).

(3) The calibration of the installed aec feedback potentiometer (72) is the final step of the replacement procedures and it is performed as described below.

(*a*) Procure an electrical connector MS-18177 (1J3) which will mate with the aec harness connector 1J3 (68).

(*b*) Connect the required power sources and test switches to the leads from test connector 1J3, as shown in figure 4-13.

(*c*) Install an index pin between the motor gear (47) and the gear of the cam and gear assembly (82).

(*d*) Apply 7.0±0.05 volts dc across pins C and D (ground) and connect a dc voltmeter to pins B and D.

(*e*) Then rotate the potentiometer shaft to obtain a reading of 1.04±0.02 volts on the voltmeter. Remove the index pin.

(*f*) Using an optical comparator for measurement, manually adjust the width of the slit opening successively to the values listed below by rotating the gear of the cam and gear assembly (82). Check for the voltages indicated by connecting the voltmeter across pins B and D (ground).

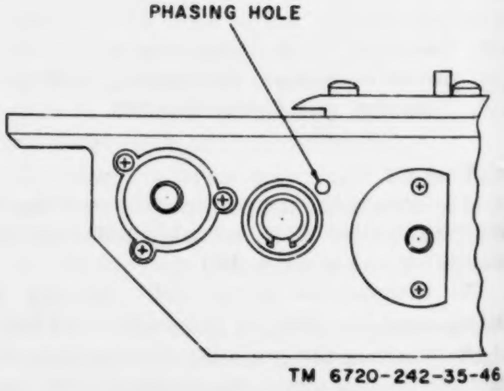


Figure 4-12. Location of camera body phasing hole.

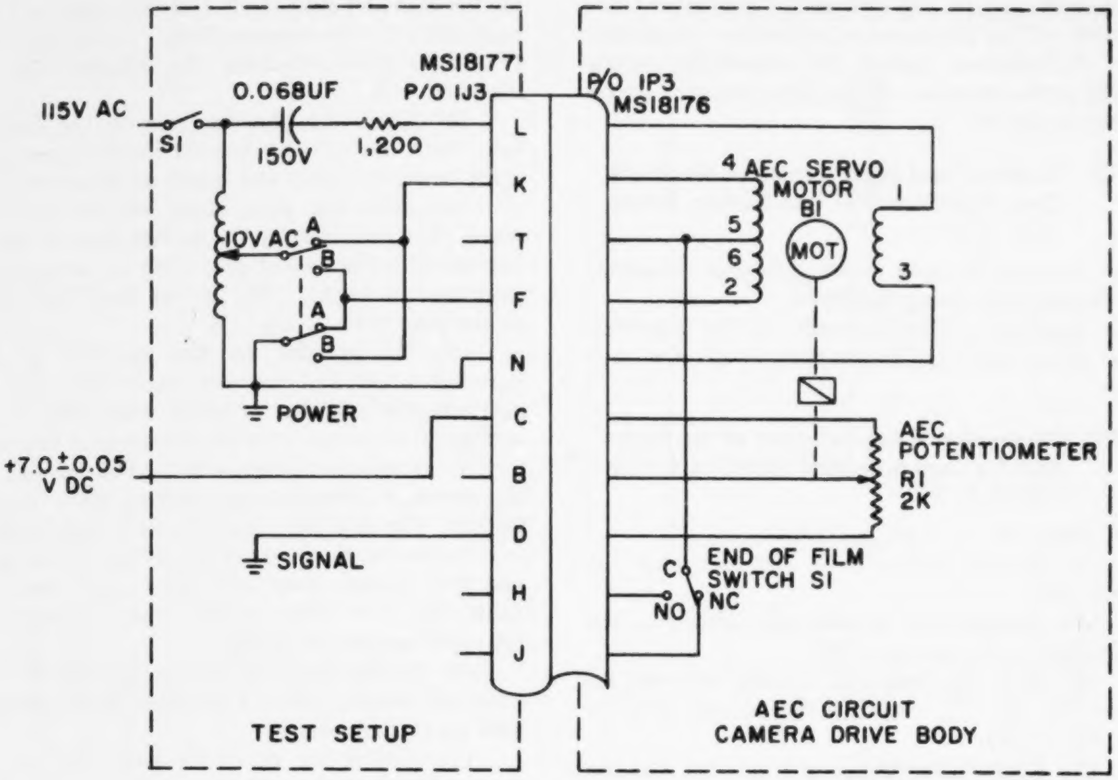

115V AC
S1
0.068UF
150V
1,200
MS18177
P/O 1J3
10V AC
A
B
A
B
POWER
+7.0±0.05
V DC
SIGNAL
TEST SETUP
L
K
T
F
N
C
B
D
H
J
P/O 1P3
MS18176
4
AEC SERVO
MOTOR
B1
MOT
5
6
2
1
3
AEC
POTENTIOMETER
R1
2K
C
END OF FILM
SWITCH S1
NO
NC
AEC CIRCUIT
CAMERA DRIVE BODY
TM6720-242-35-53

Figure 4-13. Aec alinement and calibration tests.

Slit width (in.)	Dc voltage
0.100 ±0.004	6.00 ±0.05
0.050 ±0.002	5.40 ±0.04

4-29. Removal and Replacement of Sensitive (Puck) Switch Actuator Adapter

(fig. 3-4 (2))

a. Removal.

(1) Remove the two screws (40) securing the switch bracket (39) and the cable clamp (42).

(2) Remove the screw (46) securing the sensitive switch actuator (45) to the bracket (39).

b. Replacement. Secure the sensitive switch actuator (45) to the bracket (39) with the screw (46) and perform the alinement procedures described in paragraph 3-11.

4-30. Removal and Disassembly of the Assembled Scan Motor, Gears, and Tachometer-Generator

(fig. 3-4 (2))

a. Removal.

(1) Remove one screw (27) and two screws (28) securing the assembled motor, gears, and the tachometer-generator (26).

(2) Tag and disconnect the four wires connected to terminal board TB1 (139).

b. Disassembly (fig. 3-7).

(1) Remove two screws (2) securing the mounting support (1) to the mounting plate (12). Disengage the mounting support (1) from the two pins (23) in the mounting plate (12).

(2) Withdraw the gear assembly (5) from the mounting support (1) with care.

(3) Tag and unsolder the two wires from the diode (17) and remove the diode.

(4) Remove the shaft clamp (11) securing the gear (10) to the shaft of the tachometer-generator (14).

(5) Remove the three screws (15) securing the tachometer-generator (14) to the mounting plate (12).

(6) Remove the three screws (13) securing the scan motor (16) to the mounting plate (12).

(7) Remove the pin (9) securing the gear cluster (8) to the shaft of the scan motor (16).

c. Reassembly (fig. 3-7). Reassembly of the scan motor, gears, and tachometer-generator is the reverse of the disassembly procedures (*b* above).

d. Installation. Install the assembled components in the reverse order of the removal procedures (*a* above).

4-31. Removal and Replacement of Electrical Cap, Brush Retainer and Carbon Brush

(fig. 4-14)

a. Remove the scan motor and gear assembly as described in paragraph 4-30.

b. Removal and replacement of the electrical cap, brush retainer, and carbon brush are obvious.

4-32. Removal and Replacement of the Puck and the Cam and Gear Shaft Assembly

(fig. 3-4 (3))

a. Removal.

(1) Remove two screws (66) securing the cover (65).

(2) Remove two screws (62) securing the puck (61) to the adapter (76).

(3) Slide the puck (61) to one side and remove the pin (77) securing the adapter (76) to the shaft (78).

(4) Remove the retaining ring (64) and the shim (63).

(5) Pull the shaft (78) of the cam gear shaft assembly (60) from the housing (198) removing the bearing (69) in the procedure. The puck (61), adapter (76), cam and gear assembly (60), and bearing (59) can be removed as the shaft (78) is withdrawn.

b. Disassembly.

(1) Remove the locating pin (73) and remove the three screws (72) securing the control cam (71) to the capping cam (75).

(2) Remove the pin (74) securing the spur gear (70) to the control cam (71).

4-33. Reassembly and Installation of the Puck and Cam and Gear Shaft Assembly

(fig. 3-4 (3))

a. Reassembly. Reassembly of the cam and gear shaft assembly is a reversal of the disassembly procedures of paragraph 4-32*b* above.

b. Installation.

(1) The installation of the puck (61) and the cam and gear shaft assembly (60) is a reversal of the removal procedures (*a* above) and conformity with the following special procedures described below.

(2) With the bearings (59) installed, assemble the cam and gear shaft assembly (60) and the puck (61) in the camera body. Drive the pin (77) tight when attaching the adapter (76) to the shaft (78).

(3) Aline the phasing hole in the camera body with the phasing hole in the cam and gear shaft assembly (60), and insert an alinement pin.

(4) Aline the gear tooth of the sprocket wheel (85) indicated by the scribed lines so that it meshes with the helical gear (56) of the cam and gear shaft assembly (60) at the point indicated on the gear (56).

(5) The red dot on the sprocket of the sprocket wheel and the cam shaft (85) must be positioned so that the adjacent white line on the cam (87) is in line with the actuator of the puck switch, as shown in figure 3-6. The red line on the sprocket of helical gear and sprocket assembly (93, fig. 3-4 (4)) must be in a position that is coincident with the meshing of the helical gear and the cluster gear and spur gear assembly (136, fig. 3-4 (5)) scribe lines. Attach belt (79) and covers (80 and 82).

(6) Secure the puck (61) to the adapter (76) with two screws (62). Coat the screw threads with glyptal adhesive.

(7) Attach the retaining ring (64) to the shaft (78) and check for a shaft end play between 0.0002 and 0.0022 inch under a reversing axial load of 3.50±0.25 pounds. Add the shims (63) as required to adjust the end play.

4-34. Removal and Replacement of IMC Shaft Assembly

(fig. 3-4 (4))

a. Removal.

(1) Remove the two screws (103) and the two screws (101) securing the support pad to the bracket (102).

(2) Remove the retaining ring (146) and the bearing (147) through one of the three access holes in the cluster gear and spur gear assembly (136).

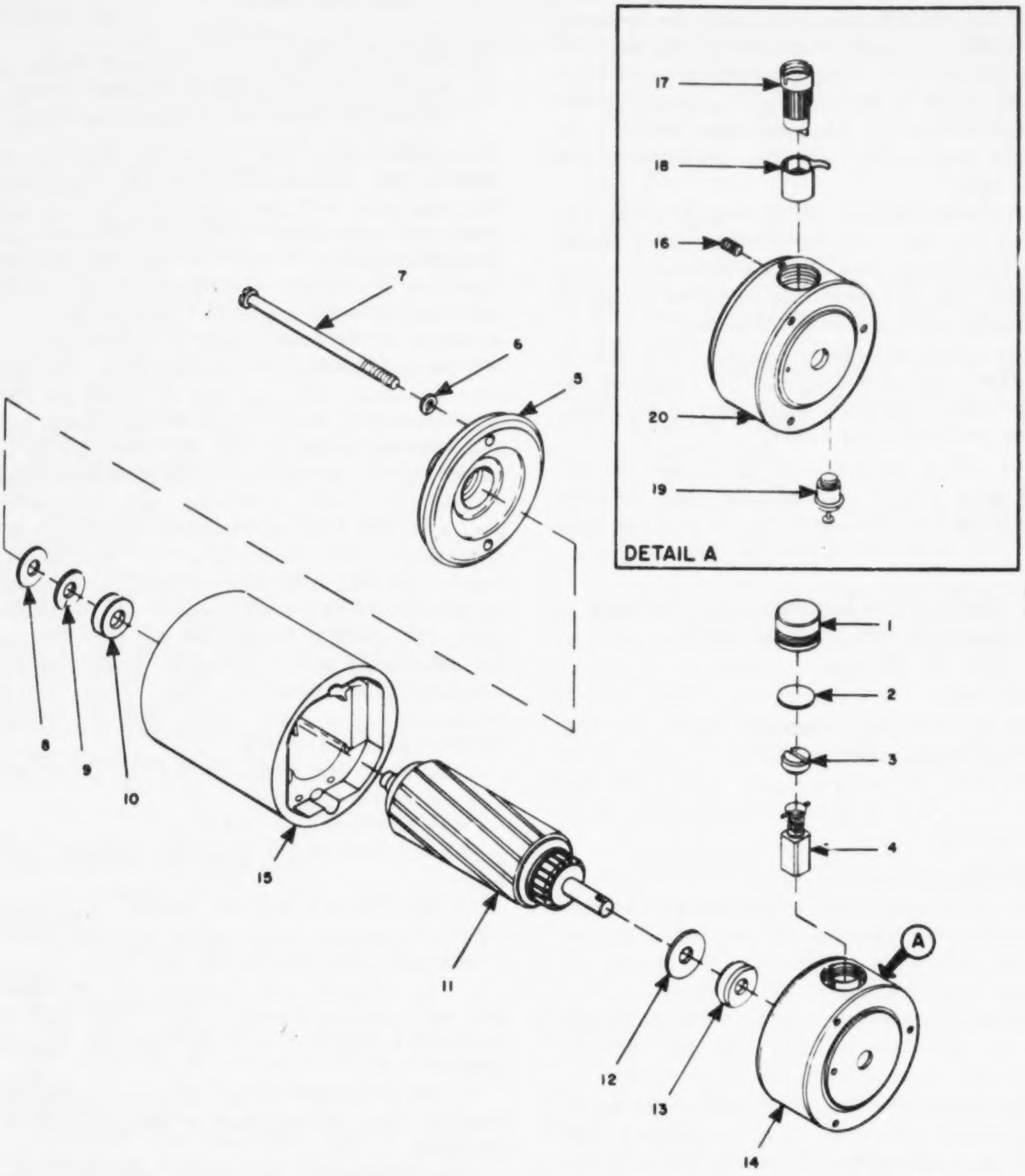
(3) Remove the retaining ring (165), shim (164), and the spring washer (163). Remove the retaining ring (148).

(4) Lift the imc shaft assembly (144) out of the camera housing (198).

b. Replacement.

(1) Installation of the imc shaft assembly (144) is a reversal of the removing procedures of *a* above and conformity to the special instructions described below.

(2) When installing the imc shaft assembly (144) in the camera body, make certain that the


17
18
16
20
19
DETAIL A
7
6
5
8
9
10
15
11
1
2
3
4
A
12
13
14
TM6720-242-35-81

1 Cap (MP236–237)
2 Insulator disk (MP250–251)
3 Brush retainer (MP252–253)
4 Brush (MP234–235)
5 End bell (MP238)
6 Washer (H158–159)
7 Screw (H156–157)
8 Shim (MP255)
9 Spring washer (MP256)
10 Bearing (MP232)
11 Armature assembly (MP217)
12 Shield (MP254)
13 Bearing (MP233)
14 End ball assembly (MP239)
15 Housing assembly (MP249)
16 Set screw (H160–161)
17 Holder (MP245–246)
18 Jacket (MP247–248)
19 Terminal (E1–E2)
20 End ball (MP240)

Figure 4–14. Scan motor, exploded view.

pin (195), protruding 0.16–0.01 inch above the bottom of the housing (198), is seated in the slot of the drag brake (157) and the solenoid liner (173) is seated in the slot of the coupling (155).

(3) Apply a thin coat of molybdenum disulfide lubricant to the contacting surfaces of the spur gear (150) and the shoulder of the shaft (159).

(4) Shim between the spur gear (150) and the ball bearing (147) for an end play between 0 and 0.0002 inch. The distance between the outer face of the spur gear (150) and the flange of the housing (197) should be 1.594 inch.

(5) Insert the spring washer (163) and a shim (164) that will compress the height of the spring washer between 0.010 and 0.015 inch, and the retaining ring (165).

(6) With the solenoid (166) and the solenoid lever (173) installed, the gap between the coupling pin (156) and the face of the spur gear (150) must be 0.012–0.002 inch.

4–35. Removal and Replacement of Solenoid Assembly and Lever Assembly

(fig. 3–4 (6))

a. Removal.

(1) Remove the retaining ring (174) and the helical tension spring (176).

(2) Remove the two screws (178) securing the trunnion (177). Withdraw the trunnion and remove the lever.

b. Replacement.

(1) The replacement of the solenoid assembly and the lever assembly is a reversal of the removal procedures of *a* above and the special instructions described below.

(2) Shim as required under the retaining ring (174) to obtain an end play of 0.001 to 0.003 inch.

(3) Loosen the nut (197) inside the housing and adjust the screw (196) to obtain a gap of 0.004 ± 0.002 inch between the imc coupling (155) and the spur gear (150), with the solenoid energized.

4–36. Removal and Replacement of Terminal Board

(fig. 3–4 (5))

The removal and replacement of the terminal board (139) is obvious. The only special instruction is the importance of identifying each wire before it is disconnected from the board.

4–37. Removal and Replacement of Drive Body Gear Train

NOTE

The cover (13, fig. 3–4 (1)) must be removed to gain access to the gear train components described in this paragraph.

The procedures of this paragraph describe the removal and replacement of the gear assemblies that comprise, with one exception, the body gear train. The scan motor, tachometer-generator and associated gears are removed as one assembly (para 3–12). The replacement of the helical gear and sprocket assembly (93, fig. 3–4 (4)) which is on the prism shaft is a depot function but the replacement of cluster gear and spur gear assembly (136, fig. 3–4 (6)) and the IMC shaft assembly (144) requires that helical gear and sprocket assembly (93, fig. 3–4 (4)) be removed first to gain access to the other assemblies. The procedures for removing and reinstalling gear assembly (93) is, therefore, included in this paragraph. The importance of sychronizing prism rotation, film advancement, puck switch actuation, and cam action cannot be overemphasized. The specific instructions are included with the reassembly and installation procedures and summarized in paragraph 4–66. Following the replacement of a gear, apply synthetic grease, Anderol–L757 to the teeth.

a. Removal and Replacement of Prism and Gear Assembly (fig. 2–6).

(1) *Removal* (fig. 3–4 (4)).

(*a*) Remove the photocell assembly (para 3–13).

(*b*) Remove the two screws (81) securing the flange (80) to the helical gear and sprocket assembly (93). Remove the belt (79).

(*c*) Support the sprocket of the helical gear and sprocket assembly (93) with a wood or aluminum block and carefully tap out the pin (92).

(*d*) Pull the helical gear and sprocket assembly (93) off the shaft of the prism assembly (95).

(*e*) Support the prism assembly (95), then remove the cover (98), support the pad (100), and the prism bracket (102).

(*f*) Remove the prism assembly (95) from the housing (198), with the shim (96) and the bearing (97).

(2) *Replacement* (fig. 3–4 (4)).

(*a*) Replacement of the prism and gear assembly (95) is a reversal of the removal procedures of (1) above and conformity to the following special procedures.

(*b*) Remove the pin (92) and pull the helical gear and sprocket assembly (93) from the prism shaft.

(*c*) Install the prism assembly (95) in the prism bracket (102) and housing (198) check the end play under a reversing axial load of 3.5 ± 0.25 pounds.

(*d*) Add the shims (96) as required to limit the end play between 0.0002 and 0.0022 inch.

(*e*) Mesh the marked tooth of the cluster gear and spur assembly (136) in the marked space on the prism assembly and the helical gear and sprocket assembly (93). Then drive the taper pin (92) into the sprocket, making sure that neither end of the pin extends into the space in which the drive belt travels.

(*f*) Aline the phasing hole in the camera body with the phasing hole in cam and gear shaft assembly (60). Insert an alinement pin in both holes.

(*g*) Line up the red dot on the gear (36) with the red dot on the sprocket of the helical gear and sprocket assembly (93), using a straight edge. Install the drive belt (79).

(*h*) Apply glyptal adhesive to the threads of the screws (81) and (83) and attach the flanges (80) and (82) to the respective sprockets (93) and (85).

b. Removal and Replacement of Cluster Gear and Spur Gear Assembly (fig. 2–6).

(1) *Removal* (fig. 3–4 (5))

(*a*) Remove the pin (131 securing the spur gear (130) of the cluster gear and spur gear assembly (136) to the shaft (134).

(*b*) Remove the spur gear (130) and the shim (132).

(*c*) Withdraw the assembled cluster gear and shaft.

(2) *Replacement.*

(*a*) Replacement of the cluster gear and spur gear assembly is a reversal of the removal procedures of (1) above and the special instructions described below.

(*b*) With the bearings (133) installed, insert the shaft (134), with the cluster gear (136) and the spacer (135), into the housing.

(*c*) Mesh the marked tooth of the cluster gear (136) into the marked space on the helical gear and sprocket assembly (93).

(*d*) Assemble a shim (132) and the spur gear (130) on the shaft (134).

(*e*) Check the end play under a 3.5 ± 0.25 pound reversing load. Add the shim (132) as required to limit the end play, between 0.002 and 0.0022 inch under the reversing load.

(*f*) Mesh the marked tooth of the spur gear (150) of the imc assembly (144) in the marked space of the spur gear (130).

(*g*) Drive in and stake the taper pin (131) securing the spur gear (130) to the shaft (134).

c. Removal of Gear, Cam, and Shaft Assembly.

(1) *Removal.*

(*a*) Remove puck (61, fig. 3–4 (3)) and cam and shaft assembly (60) (para 4–32).

(*b*) Remove pin (91, fig. 3–4 (4)) securing spur gear (90) to the shaft (89). Remove the spur gear and shims, if any were used, from the shaft (89).

(*c*) Withdraw the shaft (89) with the flange (82), gear (86), and cam (87) from the housing (198).

(2) *Replacement.*

(*a*) Replacement of the gear cam, and shaft assembly is a reversal of the removal procedures and conformity to the special instructions described below.

(*b*) With the bearings (88) installed in the housing (198) and the sprocket wheel, cam, and shaft assembly assembled in place, check the end play. Add shims, as required, to limit the end play between 0.001 and 0.003 inch.

(*c*) Stake the taper pin (91) in place.

d. Removal of Sprocket, Gear, and Flange Assembly (fig. 2–6).

(1) *Removal.*

(*a*) Remove two screws (33, fig. 3–4 (2)) securing the shield (32) to the block (34).

(*b*) Remove the retaining ring (117, fig. 3–4 (5)) from the shaft of the trunnion (120).

(*c*) Remove the retaining ring (115) from the sprocket, gear, and flange assembly (119).

(*d*) Remove the positive drive belt (116) from the sprocket, gear, and flange assembly (119).

(*e*) Remove the three screws (121) securing the trunnion (120) to the housing (198)

(2) *Replacement* (fig. 3–4).

(*a*) Replacement of the sprocket, gear, and flange assembly is a reversal of the removal procedures of (1) above and conformity to the special instructions described below.

(*b*) Use the shims as required between the trunnion (121) and the bearing (118) to position the outer face of the sprocket (119) 4.562 inches from the inner surface of the housing.

(*c*) Coat the threads of the screws (121) with glyptal.

(*d*) Check the end play of the sprocket, gear, and flange assembly (119). Add shims as necessary to limit the end play between 0.001 and 0.003 inch.

(*e*) Install the belt (116) and secure with the retaining ring (115).

(*f*) Secure the block (34) to the housing (198) with the two screws (35). Secure the shield (32) to the block (34) with the two screws (33). Coat the threads of the screws (33) and (35) with glyptal.

e. Removal of Sprocket Wheel, Gear, and Pinion Shaft Assembly (fig. 2–6).

(1) *Removal.*

(*a*) Remove the two screws (101, fig. 3–4 (4)) and two screws (103) securing the support pad (100) to the bracket (102).

(*b*) Remove the retaining ring (124, fig. 3–4 (5)) the shim (125).

(*c*) Support the sprocket and flange assembly (122) and carefully tap out the pin (123).

(*d*) Withdraw the shaft (127) with the pinion gear (128) attached.

(2) *Replacement.*

(*a*) The replacement of the sprocket wheel, gear, and pinion shaft is a reversal of the removal procedures of (1) above and the special instructions described below.

(*b*) Use the shim (125) to obtain an end play of 0.0002 to 0.0022 inch under 3.50 ± 0.25 pounds reversal axial load.

4–38. Repair and Alinement of Control, Aircraft Camera LA–412A Components

a. General. Procedures for the repair and alinement of camera control assemblies and parts by general support personnel, are contained in paragraphs 4–39 through 4–47. The removal and replacement of assemblies and parts from a board assembly involves the removal of an electrical insulating compound that is used to coat the wiring and parts. Refer to paragraph 3–7 for the details concerning the compound and also for additional instructions that pertain to repair and alinement procedures.

b. Tracing Circuits on Board Assemblies. The connector contacts on each board assembly have no "pin" markings but they can be easily identified, as follows:

(1) To trace a circuit on a board assembly, as instructed in a signal substitution test procedure paragraphs 4–7 through 4–9, examine the mating connector on the interconnecting board from which the board assembly was withdrawn. The symbol 1A will be found inscribed on the interconnecting board to the upper left of the connector. This indicates that the prefix 1 must be assigned to all the letters in the top row of the connector and the prefix 2 to all the letters in the bottom row. The letters are stamped into the face of the connector at both rows, beginning with an upper case A at the left and the lower case letters on the right. However, it must be noted that all leters of the alphabet are not included.

(2) Further identification of interconnecting board assembly connector contacts can be made in figures 6–28 and 6–29. Use these illustrations in conjunction with an assembly schematic, as it designates each connector contact by number or letter and shows those that are tied together and those which are spares.

(3) To locate a specific "pin" on a board assembly, first locate the pin letter on the interconnecting board connector and starting from either side of the connector count the number of contacts to its location. Orient the board assembly to the position into which it is inserted into the interconnecting board connector and count off the same number of contacts, as was done to locate the "pin" on the interconnecting board.

(4) The wiring diagrams (fig. 6–22 through 6–32) show the components and connections of the various board assemblies and indicate the positions of the parts by reference designation. Assemblies, parts, and connections can thus be identified on a board assembly by reference to its wiring diagram.

4–39. Disassembly and Reassembly of an AEC Board Assembly

a. Disassembly.

(1) Refer to paragraph 3–23 for the removal and installation of an aec board assembly.

(2) Before starting the removal of a part or assembly, refer to figures 6–22 and 6–23 to identify or confirm by reference designation the location of each unit.

(3) Refer to paragraph 4–38*b* for the method of identifying the "pin" contacts of the board assembly and to trace circuits.

(4) Exercise great care in the removal of the electrical insulating compound (para 3–7) that coats the wiring and components of the board.

(5) Transistors, capacitors, fixed and variable resistors, diodes, and transformers are replaceable to the extent the parts are furnished.

(6) Note the precise orientation of a board component before its removal. Reassembling its replacement may require the same exact positioning.

b. Reassembly.

(1) Connect a replacement part into place and when practicable check the continuity of the installation.

(2) When all replacements have been made and checked, coat the newly assembled parts and wires with the electrical insulating compound as described in paragraph 3-7*d*.

4-40. Disassembly and Reassembly of a Control Board Assembly

a. Disassembly.

(1) Refer to paragraph 3-22 for the removal and installation of a control board assembly.

(2) Before starting the removal of parts or assemblies, refer to figures 6-26 and 6-27 to identify or confirm by reference designation the location of each unit.

(3) Refer to paragraph 4-38*b* and follow the applicable procedures described to trace circuits.

b. Reassembly. Follow the procedures described in paragraph 4-38 for the replacement of board components.

4-41. Disassembly and Replacement of a Scan Board Assembly

a. Disassembly.

(1) Refer to paragraph 3-21 for the removal and installation of a scan board assembly.

(2) Before starting the removal of parts or assemblies, refer to figures 6-24 and 6-25 to identify or confirm by reference designation the location of each unit.

(3) Refer to paragraph 4-38*b* and follow the applicable procedures described.

b. Reassembly. Connect a replacement part into place, and, when practicable, check the continuity of the installation.

4-42. Repair and Alinement of Panel, Control Aircraft Camera LA-413A Components

Procedures for the repair and alinement of control panel components by general support personnel are contained in paragraphs 4-43 through 4-47.

4-43. Removal and Disassembly of Interface Component Board Assembly

(fig. 3-13)

a. Removal.

(1) Remove the four screws (4), washers (5), and lockwashers (6) securing the interface component board assembly (7) to the chassis brackets.

(2) Withdraw the interface component board assembly (7) from connector (9).

b. Disassembly (fig. 3-14).

(1) Separation of the board assembly (14) from the plate (13) requires the unsoldering of wires from the component side of the board assembly (14) before removing the four screws (15), lockwashers (16), and plain washers (17) which secure the board assembly (14) and the plate (13) to each other through the standoff mounting posts.

(2) Refer to paragraph 4-38*b* for the method of identifying parts by reference designation and tracing circuits from "pin" contacts.

(3) Exercise great care in the removal of the electrical insulating compound (para 3-7).

(4) The electrical components are replaceable to the extent that they are furnished to the general support level of maintenance.

(5) Before its removal, note the precise orientation of a component as the replacement may require the same exact positioning.

c. Reassembly.

(1) Connect a replacement component into place and when practicable check the continuity of the installation.

(2) When replacing transistor Q2 or Q4 (1), apply silicone grease to contacting metal mounting surfaces. Apply glyptal adhesive to the screw threads. With the exception of the hardware, use the mounting kit supplied with the component. Use No. 20 AWG insulating sleeving (MIL-L-22129C) on the bare wires.

(3) When replacing the diode VR3 (18) apply silicone grease to the contacting metal mounting surfaces. Apply glyptal adhesive to the screw threads. Use the mounting kit supplied with the component, with the exception of the hardware. Tighten the nut (19) to a torque between 10 and 13 inch/pounds.

(4) Use No. 15 AWG insulation sleeving (MIL-L-22129C) on the two bare wires of transistor Q3. Tighten the nut (9) to a torque between 40 and 50 inch/pounds.

(5) After assembly and test, coat the pad areas masked for components Q2, Q3, Q4, with

electrical insulating compound FS10006 as directed in paragraph 3-7*d*.

d. Installation. Installation of the interface component board assembly is a reverse of the procedures of *a* above.

4-44. Removal and Replacement of Electrical Connector J4
(fig. 3-13)

a. Removal.

(1) Remove the interface component board assembly (para 4-43).

(2) Remove the two nuts (49), washers (48), and screw (47) securing connector 3J4 (9) to the chassis flanges.

(3) Tag each wire with the pin number to which it is connected.

(4) Extract the wires from the connector, using extraction tool RXT 20-7 (Burndy, Norwalk, Conn 06852).

b. Replacement.

(1) The replacement procedures are the reverse of the removal procedures of *a* above and the special instruction given below.

(2) Replace an electrical contact where needed. Use crimping tool MS3191-1 to clench the electrical contact to the wire.

(3) Using insertion tool RTM20-9 (Burndy, Norwalk, Conn), insert the electrical contact into the designated grommet.

(4) Check the correctness of the reassembly.

4-45. Removal and Replacement of Radio Interference Filter, FL1
(fig. 3-13)

a. Removal.

(1) Remove the interface component board assembly (para 4-43) and electrical connector 3J4 (para 4-44).

(2) Remove the four screws (38) securing the gasket (42) and the electrical connector of filter (37) to the chassis (8).

(3) Remove the four screws (39), washers (40), and lockwashers (41) securing the filter (37) to the chassis brackets.

(4) Remove the filter (37) from the chassis (8).

(5) Tag the wires for reconnection and unsolder them from the filter terminals.

b. Replacement.

(1) Install a new filter (37) in the chassis (8) in the reverse sequence of the removal procedures in *b* above. See figure 6-12 for wire connections.

(2) Coat the threads of the attaching screws with glyptal adhesive.

4-46. Removal and Replacement of Frames Remaining Indicator
(fig. 3-13)

a. Removal.

(1) Remove the lighting plate (para 3-32).

(2) Remove the four screws (51) securing the frames remaining indicator (50) to the backing plate (14).

(3) Tag the wires with the numbers adjacent to the terminals to which they are connected and then unsolder them for removal.

b. Replacement.

(1) The replacement procedures are the reverse of the removal procedures of *a* above.

(2) Replace the lighting plate (para 3-32).

4-47. Removal and Replacement of Electrical Connector 3J2
(fig. 3-8)

a. Removal.

(1) Remove the radio interference filter (37) (para 4-45).

(2) Remove the interface component board assembly (para 4-43).

(3) Remove the four screws (45) and nuts (46) securing the electrical connector (43) and the shielding gasket (44) to the chassis (8).

(4) Use extracting tool MS24256R20 and remove the contacts from the front of the connector. Upon its removal, tag each wire with the pin identification letter.

b. Replacement.

(1) If a socket contact is damaged replace it, securing the bare end of the wire to the contact with crimping tool MS3191-1.

(2) Hold the connector with the keyway in the bottom (6 o'clock position) and insert the contacts into the designated grommet holes from the rear of the connector. The contacts will be loaded easier if started at the center grommet and continued concentrically outward.

(3) See figure 6-20 to check the reassembly of wires in the correct grommets.

4-48. Repair and Alinement of Magazine, Film LA-410A Components

Procedures for the repair and alinement of the film magazine assemblies and parts by the general support personnel are contained in paragraphs 4-49 through 4-66.

4-49. Removal and Replacement of Belt
(fig. 3-16) (2))

a. Removal.

(1) Remove the cover (11) by removing the eight screws (12).

(2) Remove the gear (38) by tapping out the pin (39).

(3) Remove the flange (125) by removing the two screws (126).

(4) Slide the belt (127) outward until it is free of the pulley (146).

b. Replacement. Replace the belt (127) in the reverse order of removal.

4-50. Removal and Replacement of Brake Assembly
(fig. 3-16 (2))

a. Removal.

(1) Remove the cover (22) by removing three screws (23).

(2) Remove the brake assembly (21).

b. Replacement. Replace the brake assembly (21) in the reverse order of removal.

4-51. Removal and Replacement of Retractor Cam
(fig. 3-16) (4))

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove the keeper block assembly (para 3-41).

(3) Remove the retractor cam (80) by removing the two screws (81).

b. Replacement. Replace the retractor cam (80) in the reverse order of removal.

4-52. Removal and Replacement of Clutch Assembly
(fig. 3-16 (2))

a. Removal.

(1) Remove the pivot (51) by removing the pin (52).

(2) Remove the plate (45) and bearing (47) by removing the four screws (46).

(3) Remove the shim (48).

(4) Remove the clutch assembly (44).

b. Replacement.

(1) Replace the clutch assembly (44) in the reverse order of removal.

(2) Shim (43) for 0.003 to 0.005 inch end play of clutch assembly.

4-53. Removal and Replacement of Film Guides
(fig. 3-16 (4))

a. Removal.

(1) Remove the pressure roller assembly (para 3-42).

(2) Remove the film guides (106 and 107) by removing screws (108 and 109).

NOTE

It is not necessary to remove the pressure roller assembly to remove the film guides (111 and 112).

(3) Remove the film guides (111 and 112) by removing the screws (113).

b. Replacement.

(1) Replace the film guides (111 and 112) in the reverse order of removal.

NOTE

Since the screws (108 and 109) are of different lengths they must be returned to their original positions.

(2) Replace the film guides (106 and 107) in the reverse order of removal.

(3) Replace the pressure roller assembly (para 3-42).

4-54. Removal and Replacement of Gear and Shaft Assembly
(fig. 3-16 (2))

a. Removal.

(1) Remove the cover (11) by removing the eight screws (12).

(2) Remove the retaining ring (42) and carefully withdraw the gear (38) and shaft (41). Catch the shim (43) as the shaft is withdrawn.

b. Replacement.

(1) Replace the gear and shaft assembly in the reverse order of removal.

(2) Shim (48) for 0.003 to 0.005 inch end play.

(3) Apply a light film of synthetic grease to the teeth of the gear (38).

4-55. Removal and Replacement of Flange

a. Removal.

(1) Remove the cover (11, fig. 3-16 (1)) by removing the eight screws (12).

(2) The flange (125, fig. 3-16 (5)) is secured by two screws (126).

b. Replacement. Install a flange (125) with the two screws (126).

4-56. Removal and Replacement of the Gasket
(fig. 3-16 (2))

a. Removal. Remove the cover (18) by removing the six screws (20). Pull the gasket (19) free from the cover (18).

b. Replacement.

(1) Clean the cover (18), thoroughly, using methyl ethyl keytone (MEK).

NOTE

Be sure the holes in the gasket match the cover holes before cementing the gasket in place.

(2) Apply adhesive to the cleaned surface of the cover and the correct surface of the gasket; let them stand until the adhesive is slightly tacky to the touch.

(3) Being careful to line up the holes, place the gasket on the cover and press thoroughly.

4-57. Removal and Replacement of Keeper Arms
(fig. 3-18)

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove the keeper block assembly (para 3-41).

(3) Remove the keeper arms (22 or 23) by removing the appropriate pins (21).

b. Replacement.

(1) Be sure that the keeper arm (22 or 23) is properly oriented when placing it in position on the keeper block (24).

(2) From the outside, insert the pins (21) in their holes and partially press them in.

(3) When assured that the keeper arm swings freely, press in the pins fully leaving 0.06 inch protruding on the outside.

4-58. Removal and Replacement of Pivot Arm
(fig. 3-18)

a. Removal.

(1) Remove the keeper block assembly (para 3-41).

NOTE

Before proceeding to the next step, carefully note the position and orientation of the spring (15).

(2) Remove the pivot arm (11) by removing the retaining ring (13) and the shim (14).

(3) Catch the spring (15) as the pivot arm is withdrawn.

b. Replacement. Being sure that the spring (15) is installed properly, replace the pivot arm (11) in the reverse order of removal.

4-59. Removal and Replacement of Keeper Rollers
(fig. 3-18)

a. Removal.

(1) Remove the keeper block assembly (para 3-41).

(2) Remove any of the eight keeper rollers (3) by removing the appropriate retaining ring (2).

b. Replacement. Replace the keeper rollers (3) in the reverse order of removal.

4-60. Removal and Replacement of Film Guides
(fig. 3-17)

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove the film guide (1) by removing the two screws (2) or film guide (4) by removing two screws (5).

(3) Remove pins (3) or (6).

b. Replacement.

NOTE

The top edge of the film guide must be parallel to the top surface of the pressure plate (14). The dimension between the two surfaces must be 0.027 inch.

(1) Secure the film guide (1) or (4) using the two screws (2) or (5).

(2) Pin the film guide to the pressure plate.

4-61. Removal and Replacement of Adas Pressure Plate
(fig. 3-17)

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove the retaining ring (9).

(3) Withdraw the pin (8) and catch washer (10), tension spring washer (11), washer (12), and the spring (13) as the pin (8) is withdrawn.

(4) Remove the adas pressure plate (7).

b. Replacement.

(1) Replace the adas pressure plate (7) in the reverse order of removal and the following special procedure.

(2) Adjust the setscrew (12, fig. 3-19) to raise the adas pressure plate (7) .010±0.001 inch above the surface of the pressure plate (14, fig. 3-17).

4-62. Removal and Replacement of Pressure Plate
(fig. 3-17)

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove the film guides (para 4-60).

(3) Remove the adas pressure plate (para 4-61).

b. Replacement. Replace in the reverse order of removal.

4-63. Removal and Replacement of Film Guides, Roller Follower and Roller
(fig. 3-19)

a. Removal.

(1) Remove the pressure roller assembly (para 3-42).

(2) Remove the two screws (2).

(3) Remove the two pins (1).

(4) Withdraw the tube (11) and as the tube is withdrawn catch the shims (3), film guide (4), spacer (5), roller (7), spacer (8), film guide (9), and the roller follower (10).

b. Replacement.

NOTE

When reassembling, be sure that the two film guides (4 and 9) are placed correctly and that the large diameter of the roller follower (10) is adjacent to the film guide (9).

(1) Replace the roller follower, roller, and the film guides in the reverse order of removal.

(2) Shim (3) for 0.002 to 0.005 inch end play.

4-64. Removal and Replacement of Rocker Arm Assembly
(fig. 3-16)

a. Removal.

(1) Remove the pressure plate assembly (para 3-40).

(2) Remove the keeper block assembly (para 3-41).

(3) Remove the rocker arm (82) by removing the retaining ring (83) and shim (84).

b. Replacement.

(1) Apply solid film lubricant to shaft (85).

(2) Replace the rocker arm (82) in the reverse order of assembly.

(3) Shim (84) the rocker arm for 0.001 to 0.002 inch end play.

4-65. Tests and Inspection

The physical inspections performed at the organizational and direct support levels of maintenance are applicable at the general support maintenance level. When a complete Camera, Still Picture KA-60C system has been serviced at the general support level, perform an operational check with the use of Test Set, Camera LS-86A as described in TM 11-6720-242-12, before returning the camera for service. The signal substitution tests of paragraphs 3-5 and 4-6 through 4-9 check the functional status of the various plug-in board assemblies. When repairs to a board assembly have been made and prior to the coating of replaced parts with electrical insulating compound MIL-I-46058, test the board assembly as described in the respective signal substitution test listed below.

a. Testing Power Supply Assembly, para 3-5*b*.

b. Testing Scan Heat Sink Assembly, para 3-5*c*.

c. Testing Interface Board Assembly, para 4-6.

d. Testing AEC Board Assembly, para 4-7.

e. Testing Control Board Assembly, para 4-8.

f. Testing Scan Board Assembly, para 4-9.

4-66. Alinement Procedure

a. Of necessity, alinement and adjustment procedures have been incorporated into the reassembly and replacement instructions.

b. Specific instructions for the phasing of the gear train and associated components (fig. 2-6) are also included in the reassembly and replacement instructions. The following is a summary of the specific instructions.

c. Coordination of the prism rotation, film transport, and related mechanisms is initiated by alining the phasing hole in the camera body housing (fig. 4-13) with the phasing hole in the control and capping cams of the cam and gear assembly. The insertion of a pin into the holes maintains the setting while the gears, sprockets, drive belts, and a cam are installed and positioned to form the gear train.

d. The gear train timing is simply a matter of performing the following instructions in conformity with the specific procedures.

e. When installing the shaft assemblies (fig. 2-6), mesh the marked tooth of a gear in the marked tooth space of its mating gear. A single scribe line on the face of a gear points to the meshing gear tooth and two scribe lines on the mating gear indicate the space into which the marked tooth is inserted. With the pin inserted through the phasing holes of the camera body housing and cams and gears properly meshed, the red dot on the sprocket (86, fig. 3–4) should be in straight edge alinement with the red dot on the sprocket of the helical gear and sprocket assembly (93). Also, the white scribed line on the cam (87) should be in a straight line with the plunger of the puck switch (43). This is illustrated in figure 3–6.

f. Following the installation of the drive belt (79, fig. 3–4) and the flanges (80) and (82) on gears (86) and (93), the puck switch (43) should be actuated when the rotation of the gear train brings the red scribe line on the cam (87) in a straight line with the puck switch plunger.

CHAPTER 5

DEPOT MAINTENANCE

5-1. Depot Rebuild Operations

Complete rebuild of Camera, Still Picture, KA-60C and/or its individual components will be accomplished by depot maintenance facilities when authorized by Headquarters, Department of the Army. Rebuild action includes all repair, rebuild, and replacement operations necessary to make equipment equivalent to new material and suitable for return to Department of the Army supply system stocks for reissue to using organizations. Detailed procedures for accomplishing the repairs and adjustments established in preceding portions of this manual and such additional repair and rebuild operations as deemed necessary will be established by the facility performing the work.

5-2. Depot Repair Procedures

This chapter contains repair procedures which can be accomplished only at depot level. These include procedures for the removal, fabrication and /or alinement, and replacement of the following components of the camera:

a. Helical and Sprocket and Gear Assembly (para 5-3).

b. Straight Shaft (para 5-4).

c. Power Supply Cover (para 5-5).

d. Mending Plate (para 5-6).

e. Light Shield (para 5-7).

5-3. Helical Gear and Sprocket Assembly

a. Removal. Remove helical gear and sprocket assembly (para 4-37*a*).

b. Alinement of Prism and Helical Gear and Sprocket Assembly. Before the prism cage assembly and helical gear and sprocket assembly can be replaced in the camera housing they must be alined as shown in figure 5-1. Drill the hole for the tapered pin (92, fig. 3-4 (4)) 90 degrees away from the location of the original hole in the prism shaft. Maintain a 0.375 ± 0.003 inch standoff between the gear and prism cage assembly and a 37°50'±0°10' angle between the red dot on the socket and the prism flat, as shown in figure 5-1.

c. Replacement. Install the prism cage and the helical gear and sprocket replacement (para 4-37*a*).

CAUTION

When pinning the helical gear and sprocket assembly, be sure the pin does not protrude into the sprocket tooth space at either end.

5-4. Straight Shaft
(fig. 3-4 (4))

a. Removal.

(1) Remove the sprocket, wheel, cam, and shaft assembly (para 4-37*c*).

(2) Remove the pin (91) securing the gear (90) to the shaft (89). Remove the gear from the shaft.

b. Fabrication.

(1) Dimensions: see figure 5-2.

(2) Material: Stainless steel, 303Sc annealed or 303S annealed, per MIL-S-7720.

(3) Finish: Passivate.

c. Alinement of Gears and Cam on Shaft. Before the sprocket, wheel, cam and shaft assembly can be replaced in a camera housing, the sprocket (86, fig. 3-4 (4)) and the spur gear (90) must be assembled on the new shaft (89) and alined as shown in figure 5-3. Once the pins have been located so that the dimensions shown are held, remove the sprocket and cam.

d. Replacement.

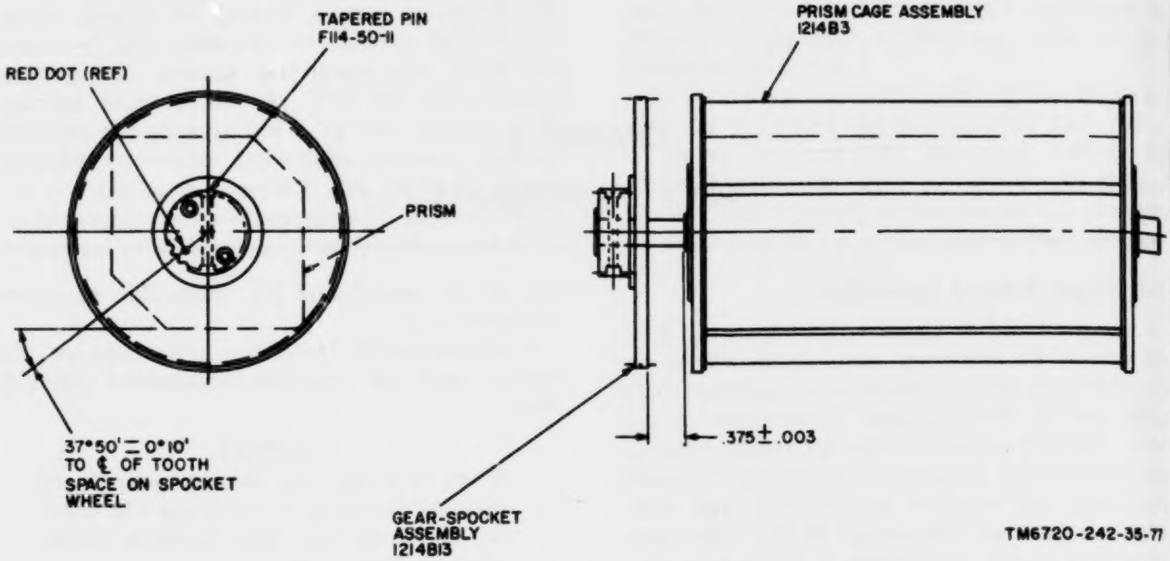
(1) Drive the pin (91) tight into the shaft (89).

(2) Insert the shaft and gear through the bearing (88) and the housing (198).

(3) Complete the replacement as described in paragraph 4-37*c*.

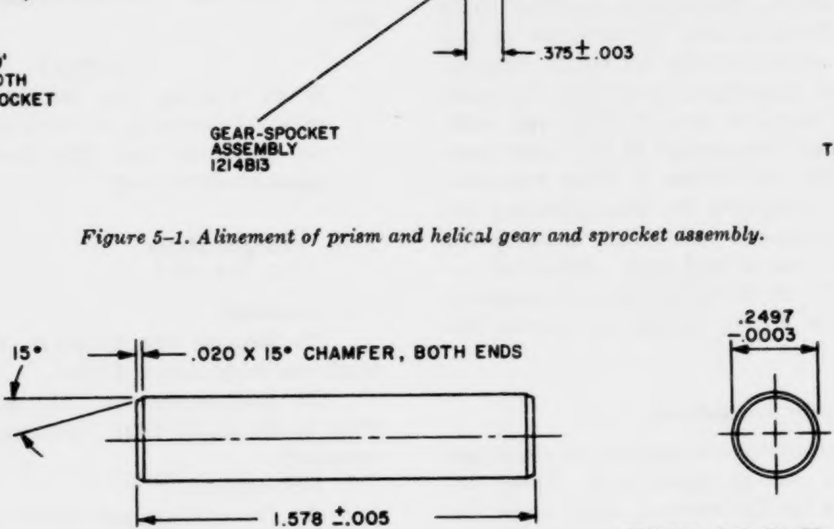
5-5. Power Supply Cover

There are two identical covers (1, fig. 3-10) on the power supply assembly. The procedures that follow apply to both covers.


TAPERED PIN
F114-50-11
RED DOT (REF)
PRISM
37°50' ± 0°10'
TO ℄ OF TOOTH
SPACE ON SPOCKET
WHEEL
PRISM CAGE ASSEMBLY
1214B3
.375 ± .003
GEAR-SPOCKET
ASSEMBLY
1214B13

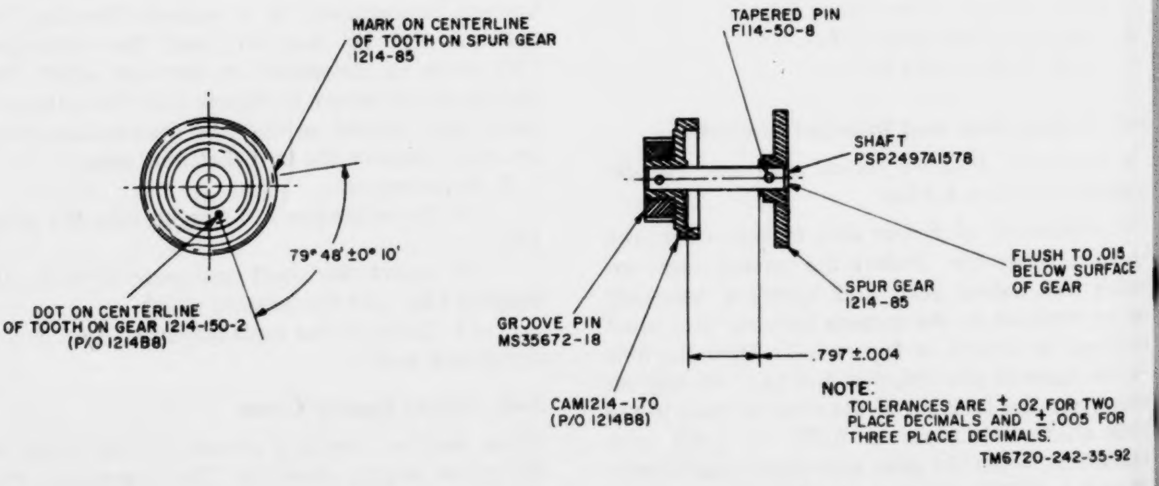
TM6720-242-35-77

Figure 5–1. Alinement of prism and helical gear and sprocket assembly.


15°
.020 X 15° CHAMFER, BOTH ENDS
1.578 ±.005
.2497
-.0003

TM6720-242-35-78

Figure 5–2. Straight shaft, fabrication dimensions.


MARK ON CENTERLINE
OF TOOTH ON SPUR GEAR
1214-85
79° 48' ±0° 10'
DOT ON CENTERLINE
OF TOOTH ON GEAR 1214-150-2
(P/O 1214B8)
TAPERED PIN
F114-50-8
SHAFT
PSP2497A1578
FLUSH TO .015
BELOW SURFACE
OF GEAR
SPUR GEAR
1214-85
GROOVE PIN
MS35672-18
.797 ±.004
CAM1214-170
(P/O 1214B8)

NOTE:
TOLERANCES ARE ± .02 FOR TWO PLACE DECIMALS AND ± .005 FOR THREE PLACE DECIMALS.

TM6720-242-35-92

Figure 5–3. Alinement of gears and cam on shaft.

a. Removal and Disassembly. Remove and disassemble the power supply assembly (para 3-25).

b. Fabrication.

(1) Dimensions and shape: see figure 5-4.

(2) Materials: 5052-H32 Aluminum Alloy, QQ-A-250/8, Temp H32.

(3) Finish: chemical film per MIL-C-5541.

c. Reassembly and Installation. Reassemble and install the power supply (para 3-26).

5-6. Mending Plate

There are two identical mending plates on the magazine cover assembly. The procedures that follow apply to both plates.

a. Removal.

(1) Remove the magazine cover assembly (1, fig. 3-16).

(2) Remove the two rivets securing the catch strike and mending plate to magazine cover.

b. Fabrication.

(1) Dimensions and shape: see figure 5-5.

(2) Material: 2024-T3 Aluminum Alloy, QQ-A-250/4, Temp T3.

(3) Finish: Alodine 1200S per MIL-C-5541.

c. Replacement.

(1) Secure the mending plate and catch strike to the magazine cover (1, fig. 3-16) with two rivets.

(2) Install the magazine cover assembly.

5-7. Light Shield
(fig. 3-16)

There are two identical light shields (53) inside the magazine assembly. The procedures that follow apply to either or both of the light shields.

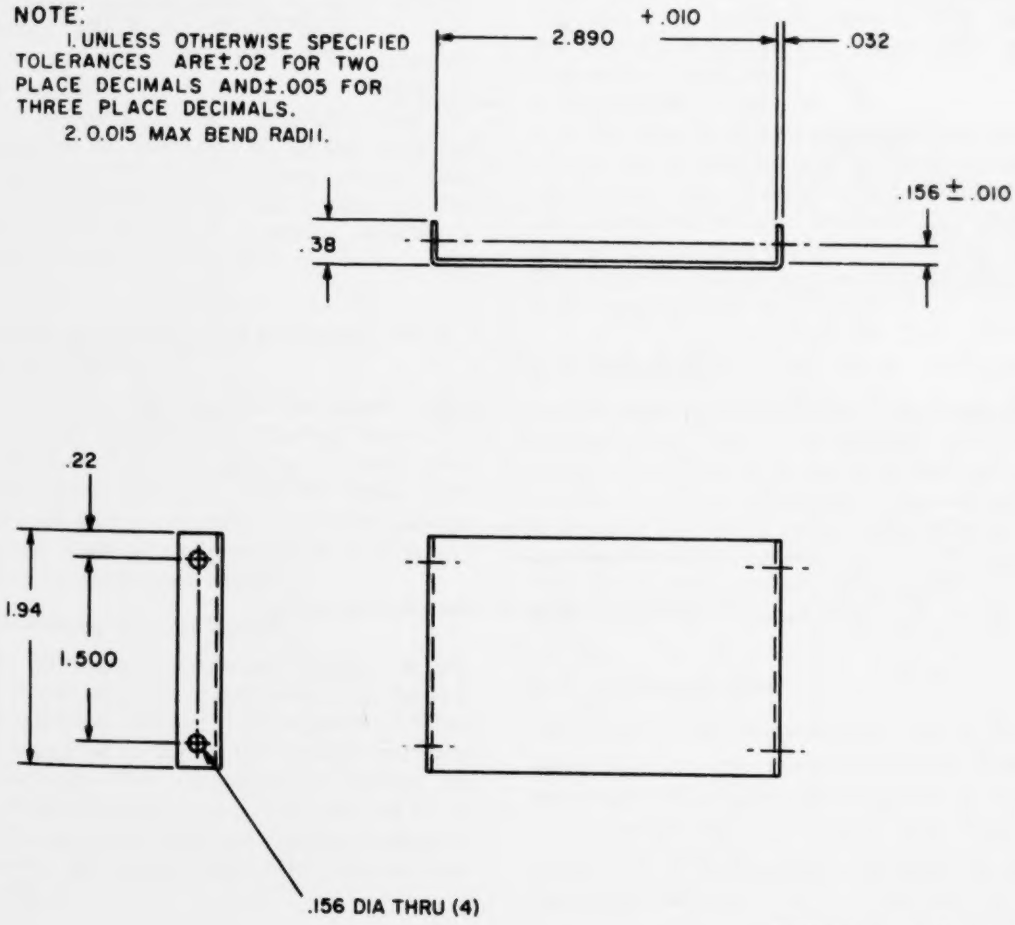

NOTE:
1. UNLESS OTHERWISE SPECIFIED TOLERANCES ARE±.02 FOR TWO PLACE DECIMALS AND±.005 FOR THREE PLACE DECIMALS.
2. 0.015 MAX BEND RADII.

Figure 5-4. Cover, fabrication dimensions.

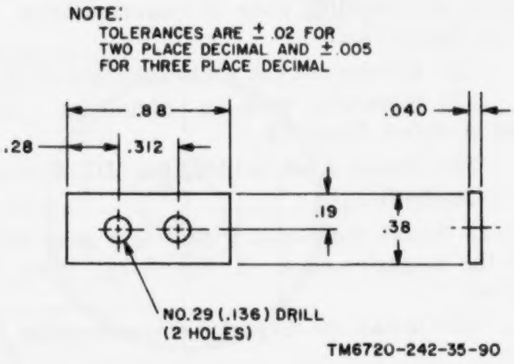

NOTE:
TOLERANCES ARE ± .02 FOR TWO PLACE DECIMAL AND ±.005 FOR THREE PLACE DECIMAL
.88
.040
.28
.312
.19
.38
NO.29 (.136) DRILL (2 HOLES)
TM6720-242-35-90

Figure 5-5. Mending plate, fabrication dimensions.

a. Removal.

(1) Remove the magazine assembly.

(2) Remove the magazine covers (1 and 4).

(3) Remove the two screws (54) securing the light shield (53) to the magazine.

b. Fabrication.

(1) Dimensions and shape: see figure 5-6.

(2) Material: 5052-H32 aluminum alloy, QQ-A-250/8, Temp H32.

(3) Finish: sulphuric acid anodize per MIL-8625, Type II, Class 2, Dyed black.

c. Replacement. Secure the two screws (54).

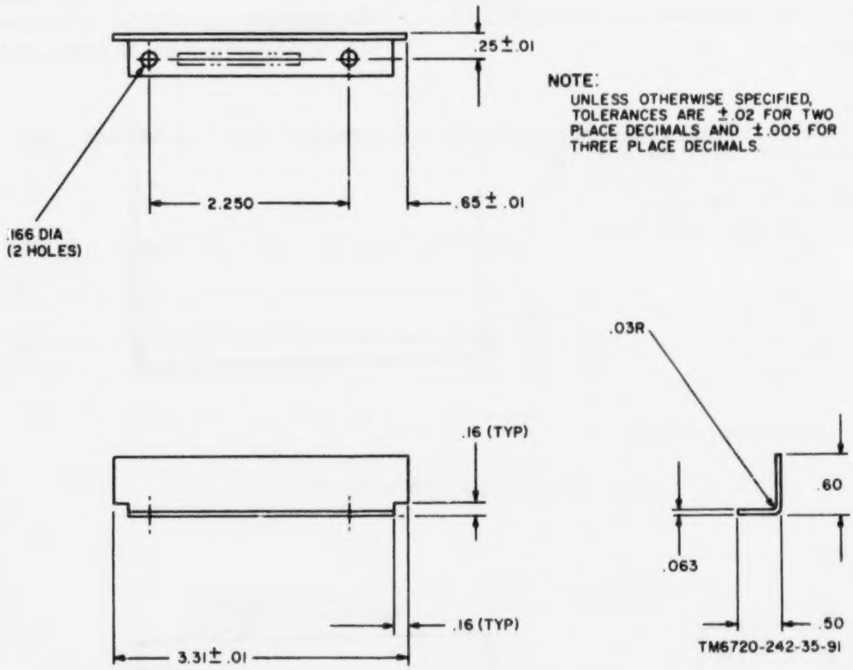

.25 ± .01
NOTE:
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±.02 FOR TWO PLACE DECIMALS AND ±.005 FOR THREE PLACE DECIMALS.
2.250
.65 ± .01
.166 DIA (2 HOLES)
.03R
.16 (TYP)
.60
.063
.16 (TYP)
.50
3.31 ± .01
TM6720-242-35-91

Figure 5-6. Light shield, fabrication dimensions.

CHAPTER 6

AUXILIARY EQUIPMENT

NOTE

This chapter covers direct support and general support maintenance for Control Panel LA-428A (V/H panel). It includes instructions for troubleshooting, repairing, and aligning the equipment.

Section I. FUNCTIONING OF THE V/H CONTROL PANEL

6-1. General

The V/H control panel generates dc voltage levels (V/H signals) analagous to aircraft velocity over altitude from input primary power. It does this by rectifying the incoming 115 vac, regulating the resultant dc voltage, and passing it through a resistive divider network. Any of twelve selected dc levels can be tapped from the divider network through a rotary switch (the KNOTS PER FOOT switch, S2) located on the faceplate. The V/H control panel also receives 5 vdc which is used to illuminate the panel edgelights.

6-2. Power Application and Protection
(fig. 6-1, and 6-4)

Primary power at 115 vac, 400 Hz, single phase enters the V/H control panel through connector 4J1-F. The power side of the line is interrupted by circuit breaker CB1, the POWER switch. CB1 is a magnetically activated time-delay device, which opens from 0.2 to 7 seconds at an overload of 125% of its 0.5 ampere rating.

6-3. Generation of V/H Signals

a. The incoming ac primary power is impressed across isolation transformer T1, including approximately 105 vac in its secondary. This, in turn, is applied to the bridge rectifier made up of CR1 through CR4. Capacitor C1 filters the output of the rectifier (about 150 vdc), which is applied across the series-shunt regulator made up of transistor Q2, zener diode VR1, and emitter follower Q1.

b. The purpose of the regulator circuit is to keep a constant output of 100.6 vdc at the emitter of Q1. This voltage is adjusted by potentiometer R4, the V/H calibrate control. VR1 regulates the emitter voltage of Q2. Diode CR5 provides temperature stability.

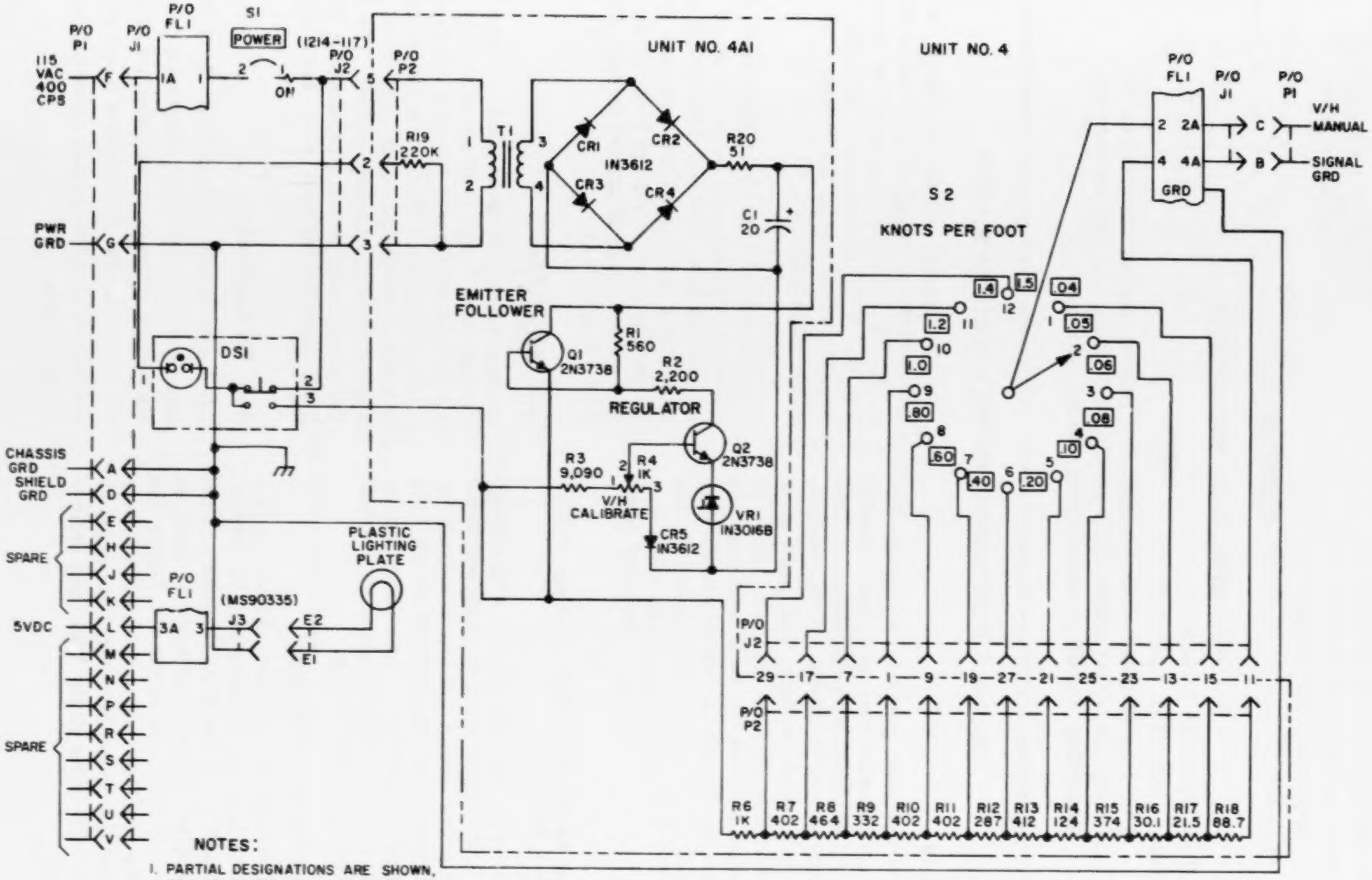
c. The output of the regulator circuit is applied across the voltage divider made up of resistors R6 through R18. KNOTS PER FOOT switch S2 taps across the divider network and ground to deliver the selected voltage level to the camera. The output signal is applied through pins C and B of connector 4J1.

6-4. Edgelights

A five vdc signal is applied to connector 4J3 through pins L and G of connector 4J1. Terminals E1 and E2 connect the five vdc input to the plastic faceplate. This plate has embedded in it a set of red lamps which light when power is applied from the camera control. The lamps in the plastic plate are not replaceable; the entire plate must be replaced when the lamps fail.

6-5. RFI Suppression

All inputs to and outputs from the V/H control panel pass through noise suppression filter FL1, electrically situated at the interface of connector 4J1. Further, the V/H control panel cover butts against an rf filter gasket material cemented to the panel face.


P/O P1
P/O J1
P/O FL1
S1
POWER
(1214-117)
P/O J2
P/O P2
UNIT NO. 4A1
UNIT NO. 4
115 VAC 400 CPS
1A
ON
R19 220K
T1
CR1
CR2
CR3
CR4
1N3612
R20 51
C1 20
PWR GRD
DS1
EMITTER FOLLOWER
Q1 2N3738
R1 560
R2 2,200
REGULATOR
Q2 2N3738
R3 9,090
R4 1K
V/H CALIBRATE
CR5 1N3612
VR1 1N3016B
CHASSIS GRD
SHIELD GRD
SPARE
5VDC
3A
(MS90335)
J3
PLASTIC LIGHTING PLATE
E2
E1
S2
KNOTS PER FOOT
.04
.05
.06
.08
.10
.20
.40
.60
.80
1.0
1.2
1.4
1.5
P/O FL1
P/O J1
P/O P1
2A
4A
GRD
V/H MANUAL
SIGNAL GRD
P/O J2
29 17 7 1 9 19 27 21 25 23 13 15 11
P/O P2
R6 1K
R7 402
R8 464
R9 332
R10 402
R11 402
R12 287
R13 412
R14 124
R15 374
R16 30.1
R17 21.5
R18 88.7

NOTES:

1. PARTIAL DESIGNATIONS ARE SHOWN, FOR COMPLETE DESIGNATION PREFIX THE PARTIAL DESIGNATION WITH UNIT NO. 4 OR 4A1.
2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS.

TM6720-242-35-13

Figure 6-1. V/H control panel, schematic diagram.

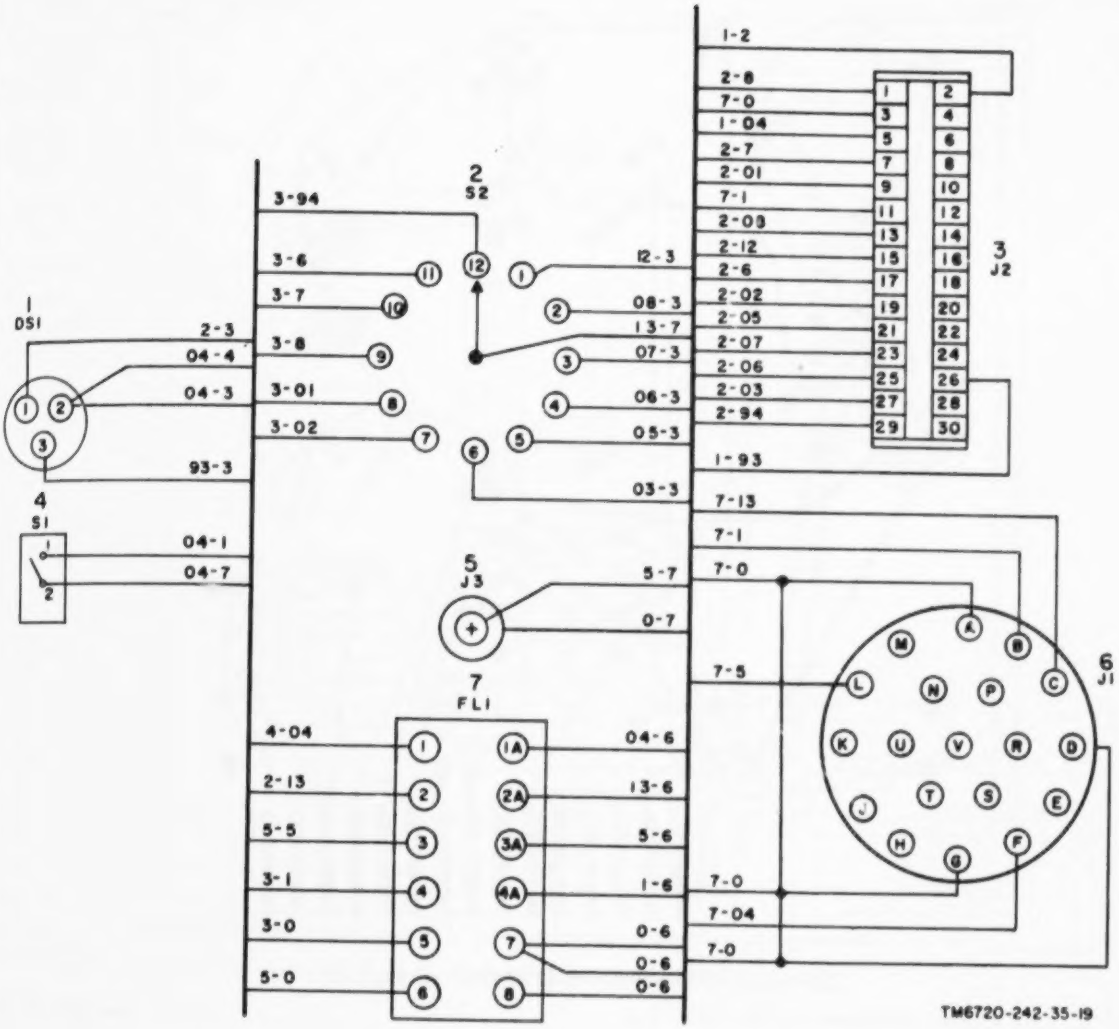
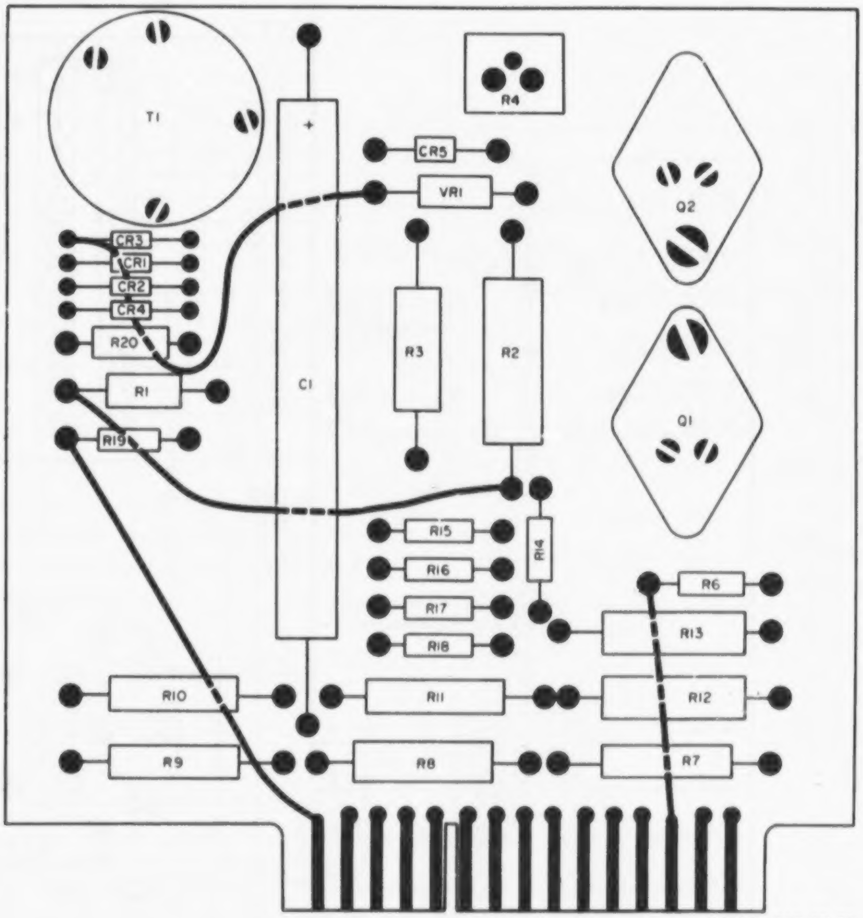

1
DS1
2-3
04-4
04-3
93-3
4
S1
04-1
04-7
3-94
3-6
3-7
3-8
3-01
3-02
2
S2
12-3
08-3
13-7
07-3
06-3
05-3
03-3
1-2
2-8
7-0
1-04
2-7
2-01
7-1
2-03
2-12
2-6
2-02
2-05
2-07
2-06
2-03
2-94
1-93
3
J2
7-13
7-1
7-0
5
J3
5-7
0-7
7-5
6
J1
7
FL1
4-04
2-13
5-5
3-1
3-0
5-0
04-6
13-6
5-6
1-6
0-6
0-6
0-6
7-0
7-04
7-0
TM6720-242-35-19

Figure 6-2. V/H control panel, wiring diagram.


T1
+
C1
R4
CR5
VR1
Q2
Q1
CR3
CR1
CR2
CR4
R20
R1
R19
R3
R2
R15
R16
R17
R18
R14
R6
R13
R10
R11
R12
R9
R8
R7

TM6720-242-35-29

Figure 6-3. V/H board assembly wiring diagram, front view.

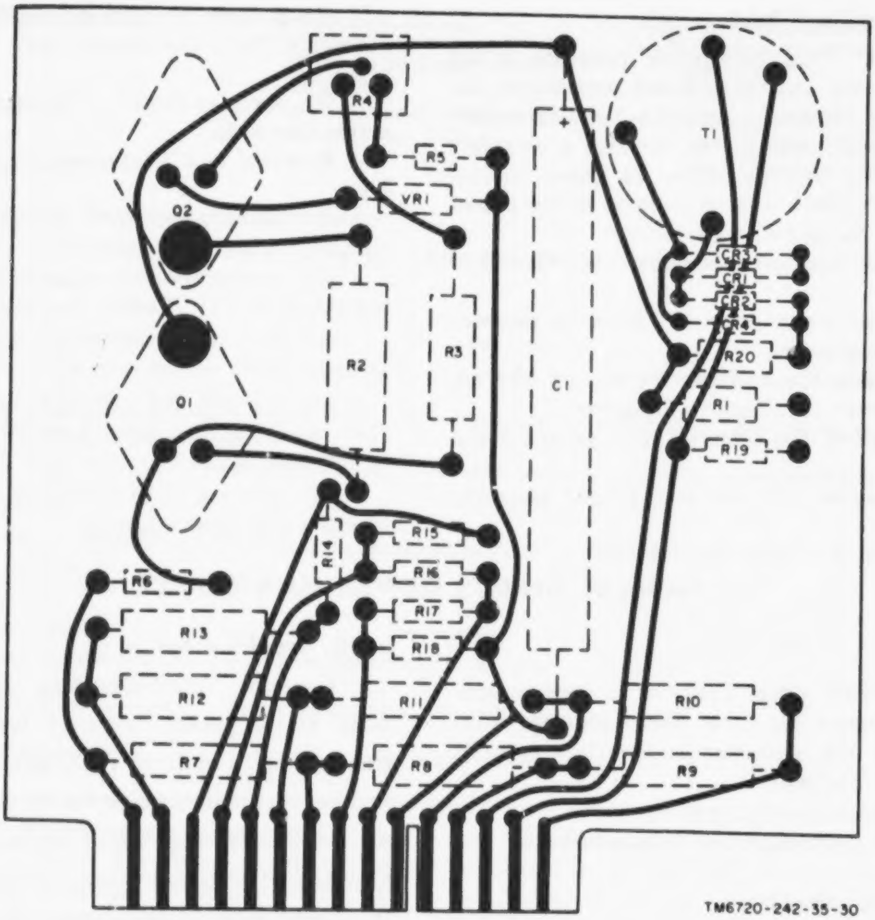


Figure 6–4. V/H board assembly wiring diagram, rear view.

Section II. DIRECT SUPPORT MAINTENANCE

6–6. Scope

Direct support maintenance is limited to the replacement of the POWER indicator light assembly and the edgelight faceplate. Cleaning and inspection routines for the V/H control panel are the same as for the other control units in the camera.

6–7. Direct Support Troubleshooting

a. The symptoms listed in this troubleshooting chart will aid in localizing trouble to a particular component in the V/H control panel, or they will reference maintenance at the general support level.

b. Troubleshooting begins with the operator's and organizational maintenance. The troubleshooting chart below represents an extension of the troubleshooting charts in TM 11–6720–242–12.

Item	Malfunction	Probable Cause	Corrective Action
1	Power indicator light does not light when POWER circuit breaker CB1 is set to ON.	Indicator light assembly defective	Replace indicator light assembly (para 6–8*c*).
2	No edgelights when POWER circuit breaker is set to ON:	*a.* No +5vdc input	*a.* Check with voltmeter across pins D and L of 4P1. If no voltage present, refer to a higher category of maintenance.
		b. Lamps in edgelight panel defective.	*b.* Replace faceplate (para 6–8*b*).

6-8. Removal and Replacement

a. General. This paragraph provides direct support removal and replacement procedures for the edgelight faceplate and the light assembly. Since it is not necessary to perform a complete disassembly to remove either of these components, the exploded view referenced in the procedures should be used as a guide only.

b. Removal and Replacement of Faceplate (fig. 6-5).

(1) Remove connector 4P1 from its receptacle (22) on the panel.

(2) Loosen the two captive screws (2) securing the cover (1). Remove the cover.

(3) Remove the setscrew (6) securing the knob (5).

(4) Unscrew the cap on the light assembly (12).

(5) Remove the four screws (8) securing the faceplate (7) to the chassis (34). Remove faceplate.

(6) Reverse steps (1) through (5) to install a new faceplate.

c. Removal and Replacement of Light Assembly.

(1) Remove connector 4P1 from its receptacle (22) on the V/H panel.

(2) Loosen the two captive screws (2) securing the cover (1). Remove the cover.

(3) Tag and unsolder the leads to the light assembly (12).

(4) Remove the nut (13) and the washer (14) securing the light assembly. Remove the light assembly.

(5) Reverse steps (1) through (4) above to install a new light assembly.

Section III. GENERAL SUPPORT MAINTENANCE

6-9. Scope

The maintenance duties assigned to general support maintenance are listed below together with reference to the paragraphs covering specific maintenance functions.

a. Troubleshooting (para 6-10).

b. Voltage and resistance measurements (6-11).

c. Calibration (6-12)

d. Disassembly and reassembly (6-13)

e. General support testing procedures (6-14)

6-10. Troubleshooting

a. General. Troubleshooting the V/H control panel at the general support level includes all the techniques outlined for organizational and direct support maintenance for the camera. Systematic troubleshooting, which begins with the operational and sectionalization checks performed at the organizational level, must be completed by further localizing and isolating techniques.

---

b. General Support Troubleshooting Chart

Item	Malfunction	Probable Cause	Corrective Action
1	POWER indicator lamp does not light when POWER circuit breaker is set to ON.	*a.* Circuit breaker CB1 defective	*a.* Replace CB1 (para 6-13).
		b. Resistor R19 defective	*b.* Measure 220 K across R19. If open or short, replace R19.
2	No V/H manual signals received at the camera.	*a.* Secondary winding of T1 open	*a.* Check continuity of T1 secondary (terminals 3 and 4). If open replace T1.
		b. Bridge rectifier (CR1 through CR4) defective.	*b.* Check CR1 through CR4.
		c. Emitter follower Q1 open	*c.* Check Q1, replace if necessary.
		d. Resistor R20 of R6 open	*d.* Check resistors, replace if open.
		e. Switch S2 defective	*e.* Check continuity of switch.
		f. Filter FL1 defective	*f.* Check continuity across pins 2 and 2A, 4 and 4A. Replace if defective (para 6-11).
3	Incorrect V/H signals received at the camera.	*a.* V/H calibrate potentiometer R4 not set correctly.	*a.* Check calibration of potentiometer R4 (para 6-12).
		b. Regulator circuit (Q1, Q2, VR1 and CR5) defective.	*b.* Measure output of regulator circuit (para 6-11*b*). If improper, check circuit components.

Item	Malfunction	Probable Cause	Corrective Action
		c. One or more resistors in divider network (R6 through R18) defective.	*c.* Check resistors, replace if necessary.
		d. Partial failure of bridge rectifier (CR1 through CR4).	*d.* Check output of bridge rectifier (para 6–11*b*). If improper, check circuit components.

6–11. Voltage and Resistance Measurements

a. Transistor Checks. Use the data below to check the operational parameters of transistors Q1 and Q2 (out of circuit).

Transistor	*Function*	*Test condition*	*Measurement*
Q1 or Q2	*a.* Collector-to-Emitter Sustaining Voltage (V_{ceo}) (sus)	I_c = 5 madc; I_b = zero	225vdc minimum
	b. Collector-to-Emitter Saturation Voltage (V_{ceo}) (sus)	I_c = 250 madc; I_b = 25 madc	2.5vdc minimum
	c. Base-to-Emitter Saturation Voltage (V^{be})	I_c = 100 madc; V_{ce} = 10 vdc	1.0vdc maximum

b. Circuit Voltage Measurement. Voltage measurements at several critical points in the circuit for the V/H panel follow.

Point of measurement	*Test condition*	*Measurement*
Terminals 3 and 4 of transformer T1	Power on, measure with voltmeter (ac)	101vac
Junction of R20 and C1 and ground (–)	Power on, measure with voltmeter (dc)	150vdc
Junction of R6 and emitter of Q1 and ground (–)	Power on, measure with voltmeter (dc)	100.6 ±0.5vdc

c. Resistance Measurements. The critical resistance measurement is the out-of-circuit resistance across the terminals of transformer T1. These measurements are: 88 ohms maximum across terminals 1 and 2 and 60 ohms maximum across terminals 3 and 4.

6–12. Calibration

To set the V/H calibrate control R4, place a voltmeter (dc) between the junction of R6 and the emitter of Q1 and ground. Adjust potentiometer R4 for a reading of 100.6 ± 0.5 vdc.

6–13. Disassembly and Reassembly
(fig. 6–3, 6–4, 6–5, and 6–6)

a. Disassembly.

(1) Loosen the two captive screws (2) securing the cover (1) to chassis (34).

(2) Pull out the component board assembly (4). Remove components as required (fig. 6–3 and 6–4). To remove heat sinks from transistors, refer to figure 6–6 for attaching parts.

(3) Remove the setscrew (6) and the knob (5). Unscrew the light assembly (12). Remove the four screws (8) securing the faceplate (7) to the chassis. Remove the faceplate.

(4) Tag and unsolder the leads to the circuit breaker (9). Remove the nut (10) and the washer (11) securing the circuit breaker to the plate (17). Remove the circuit breaker.

(5) Tag and unsolder the leads to the light assembly (12). Remove the nut (13) and the washer (14) securing the light assembly to the plate (17). Remove the light assembly.

(6) Tag and unsolder the leads to the switch (15). Remove the nut (16) securing the switch to the plate (17) and remove the switch.

(7) Tag and unsolder the leads to the connector (3) and the terminal (32). Remove nut (33), washer (31), terminal (32) and connector (30) from the plate (17).

(8) Remove the screws (18) securing the plate (17) to the chassis (34). Remove the plate and the gasket (19).

(9) Tag and unsolder the leads to the filter (20). Remove the four screws (21) securing the filter to the chassis (34). Remove the filter.

(10) Remove the screws (23), and the nut plate (24), connector (22) and grommet (25) from the chassis (34). Remove the contacts from the connector with extracting tool MS24256–R20. Push contacts out from the front.

(11) Remove the screws (27), nuts (28), and washers (29) securing the connector (26) to the chassis (34). Remove the connector.

b. Reassembly. Reassemble by reversing the disassembly procedure of *a* above.

6-14. General Support Test Procedure

a. General. The procedure that follows insures that equipment repaired at the general support facility is in serviceable condition before it is returned to the field.

b. Test Equipment Required. The following test equipment is required for the general support tests:

(1) A variable ac source of 115-vac, single-phase, 400-Hz power.

(2) A source of + 5 vdc.

(3) Digital voltmeter.

(4) Multimeter AN/URM-105.

(5) A 100K, 1/2 watt, 5% resistor.

(6) Dummy plug (MS3126E14-195).

c. Physical Tests and Inspection. The tests and procedures in chapter 4 of this manual generally apply to the V/H panel.

d. Functional Test.

(1) Connect the V/H control panel to the test equipment as shown in figure 6-7.

(2) Set the POWER switch on the V/H control panel to OFF.

(3) Adjust the variable ac source for a output of 115 ± 1 vac.

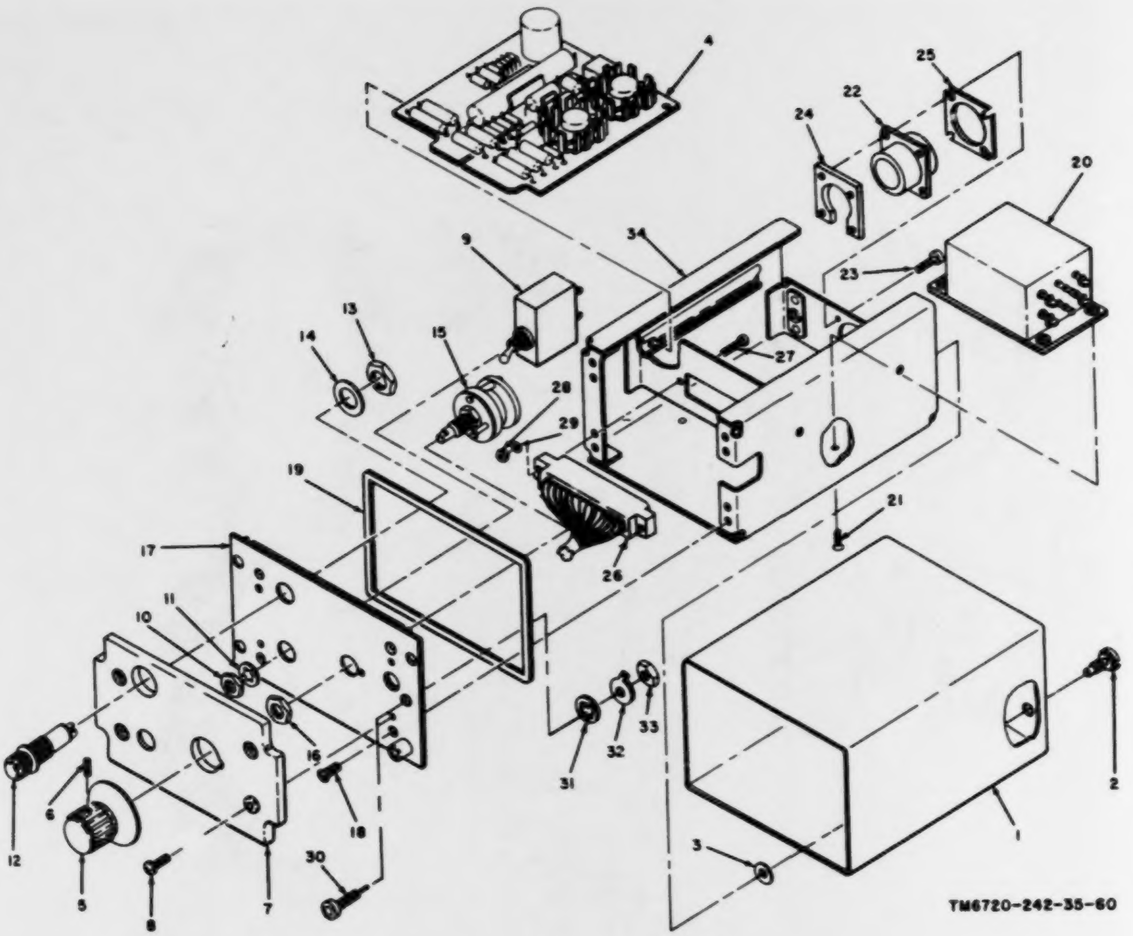
(4) Depress the POWER lamp press-to-tes jewel. The lamp lights.

(5) Set the KNOTS PER FOOT switch t 1.4-1.5.

(6) Set the POWER switch to ON. Check to see that the ac input is as set in (3) above. The digital voltmeter reads between 71.68 and 79.22 vdc.

(7) Repeat steps (1) through (6) for the remaining positions of the KNOTS PER FOOT switch in accordance with the following list

KNOTS PER FOOT switch position	*V/H Voltage limits*
1.2 -1.4	62.10-68.64
1.0 -1.2	50.99-56.35
0.80-1.0	43.01-47.53
0.60-0.80	33.44-36.96
0.40-0.60	23.89-26.41
0.20-0.40	16.96-18.74
0.10-0.20	7.17- 7.93
0.08-0.10	4.24- 4.68
0.06-0.08	3.34- 3.70
0.05-0.06	2.63- 2.91
0.04-0.05	2.12- 2.34


4
25
22
24
20
9
34
23
13
14
15
27
28
29
19
21
17
26
11
10
16
12
6
5
8
7
18
30
31
32
33
3
1
2

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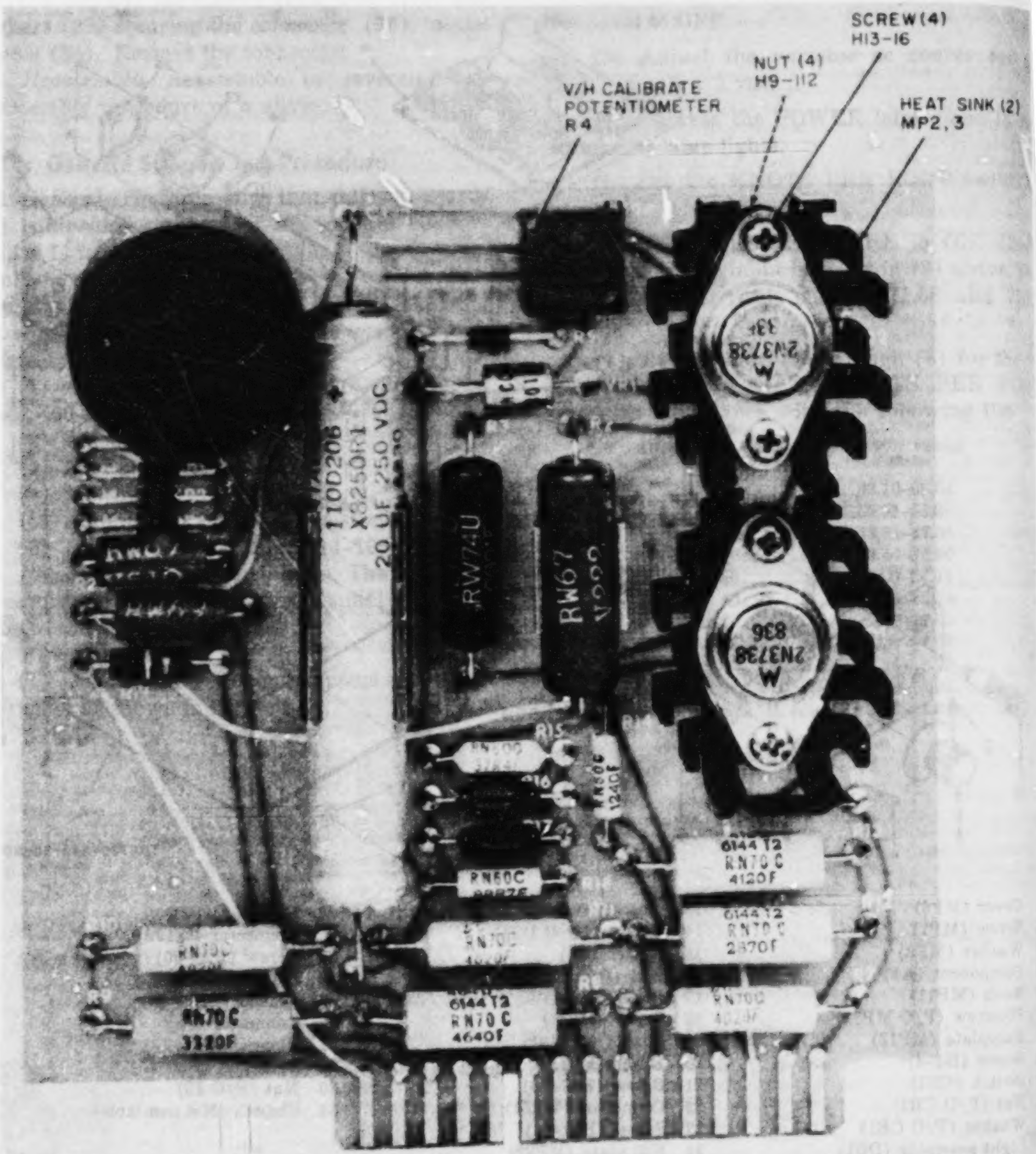
1 Cover (MP6)
2 Screw (MP7)
3 Washer (MP9)
4 Component (A1)
5 Knob (MP11)
6 Setscrew (P/O MP11)
7 Faceplate (MP12)
8 Screw (H1-4)
9 Switch (CB1)
10 Nut (P/O CB1)
11 Washer (P/O CB1)
12 Light assembly (DS1)
13 Nut (P/O DS1)
14 Washer (P/O DS1)
15 Switch (S2)
16 Nut (P/O S2)
17 Plate (MP14)
18 Screw (H5-8)
19 Gasket (MP15)
20 Filter (FL1)
21 Screw (H17-20)
22 Connector (W1J1)
23 Screw (H31-34)
24 Nut plate (MP22)
25 Gasket (MP21)
26 Connector (W1J2)
27 Screw (H29-30)
28 Nut (H23-24)
29 Washer (H35-36)
30 Connector (J3)
31 Washer (P/O J3)
32 Terminal (P/O J3)
33 Nut (P/O J3)
34 Chassis (Not available)

Figure 6-5. V/H control panel, exploded view.


SCREW (4)
H13-16
NUT (4)
H9-112
V/H CALIBRATE
POTENTIOMETER
R4
HEAT SINK (2)
MP2, 3

TM6720-242-35-93

Figure 6-6. V/H board assembly.

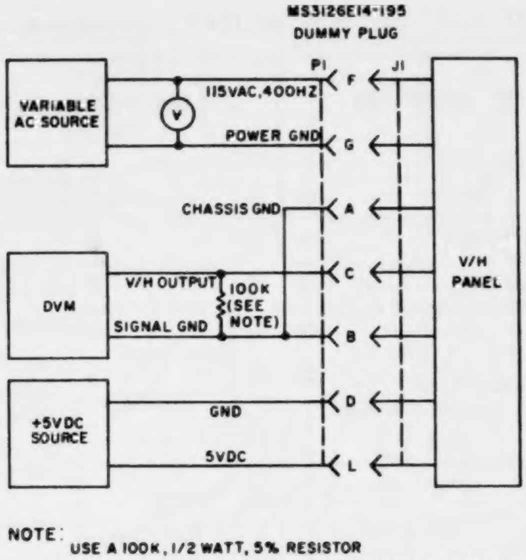
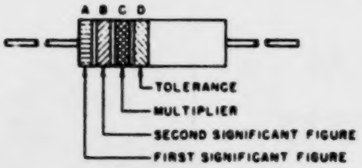

MS3126E14-19S
DUMMY PLUG
P1
J1
VARIABLE AC SOURCE
V
115VAC, 400HZ
POWER GND
F
G
CHASSIS GND
A
DVM
V/H OUTPUT
100K (SEE NOTE)
SIGNAL GND
C
B
V/H PANEL
+5VDC SOURCE
GND
5VDC
D
L
NOTE:
USE A 100K, 1/2 WATT, 5% RESISTOR
TM6720-242-35-94

Figure 6-7. V/H control panel, test setup.

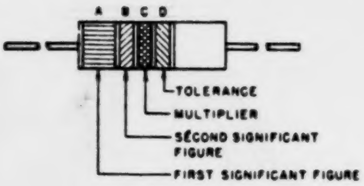
COLOR CODE MARKING FOR MILITARY STANDARD RESISTORS

COMPOSITION-TYPE RESISTORS


A B C D
TOLERANCE
MULTIPLIER
SECOND SIGNIFICANT FIGURE
FIRST SIGNIFICANT FIGURE

BAND A—Equal Width Band Signifies Composition-Type

WIREWOUND-TYPE RESISTORS

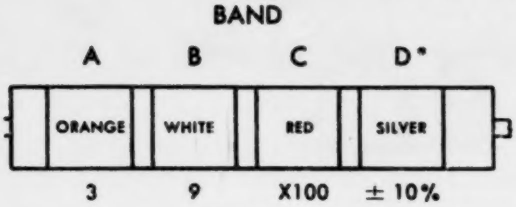

A B C D
TOLERANCE
MULTIPLIER
SECOND SIGNIFICANT FIGURE
FIRST SIGNIFICANT FIGURE

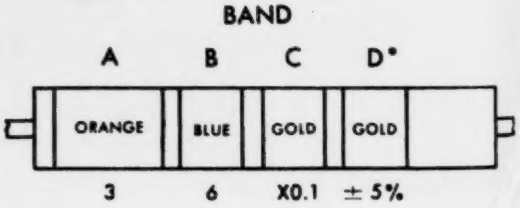
BAND A—Double Width Signifies Wire-wound Resistor

COLOR CODE TABLE

BAND A		BAND B		BAND C		BAND D*	
COLOR	FIRST SIGNIFICANT FIGURE	COLOR	SECOND SIGNIFICANT FIGURE	COLOR	MULTIPLIER	COLOR	RESISTANCE TOLERANCE (PERCENT)
BLACK	0	BLACK	0	BLACK	1		
BROWN	1	BROWN	1	BROWN	10		
RED	2	RED	2	RED	100		
ORANGE	3	ORANGE	3	ORANGE	1,000		
YELLOW	4	YELLOW	4	YELLOW	10,000	SILVER	± 10
GREEN	5	GREEN	5	GREEN	100,000	GOLD	± 5
BLUE	6	BLUE	6	BLUE	1,000,000		
PURPLE (VIOLET)	7	PURPLE (VIOLET)	7				
GRAY	8	GRAY	8	SILVER	0.01		
WHITE	9	WHITE	9	GOLD	0.1		

EXAMPLES OF COLOR CODING


BAND
A B C D*
ORANGE
WHITE
RED
SILVER
3 9 X100 ± 10%


BAND
A B C D*
ORANGE
BLUE
GOLD
GOLD
3 6 X0.1 ± 5%

NOMINAL RESISTANCE	3,900 Ohms	3.6 Ohms
RESISTANCE TOLERANCE	± 10 percent	± 5 percent

STD-R2

*If Band D is omitted, the resistor tolerance is ± 20%, and the resistor is not Mil-Std.

Figure 6-8. Resistor color code.

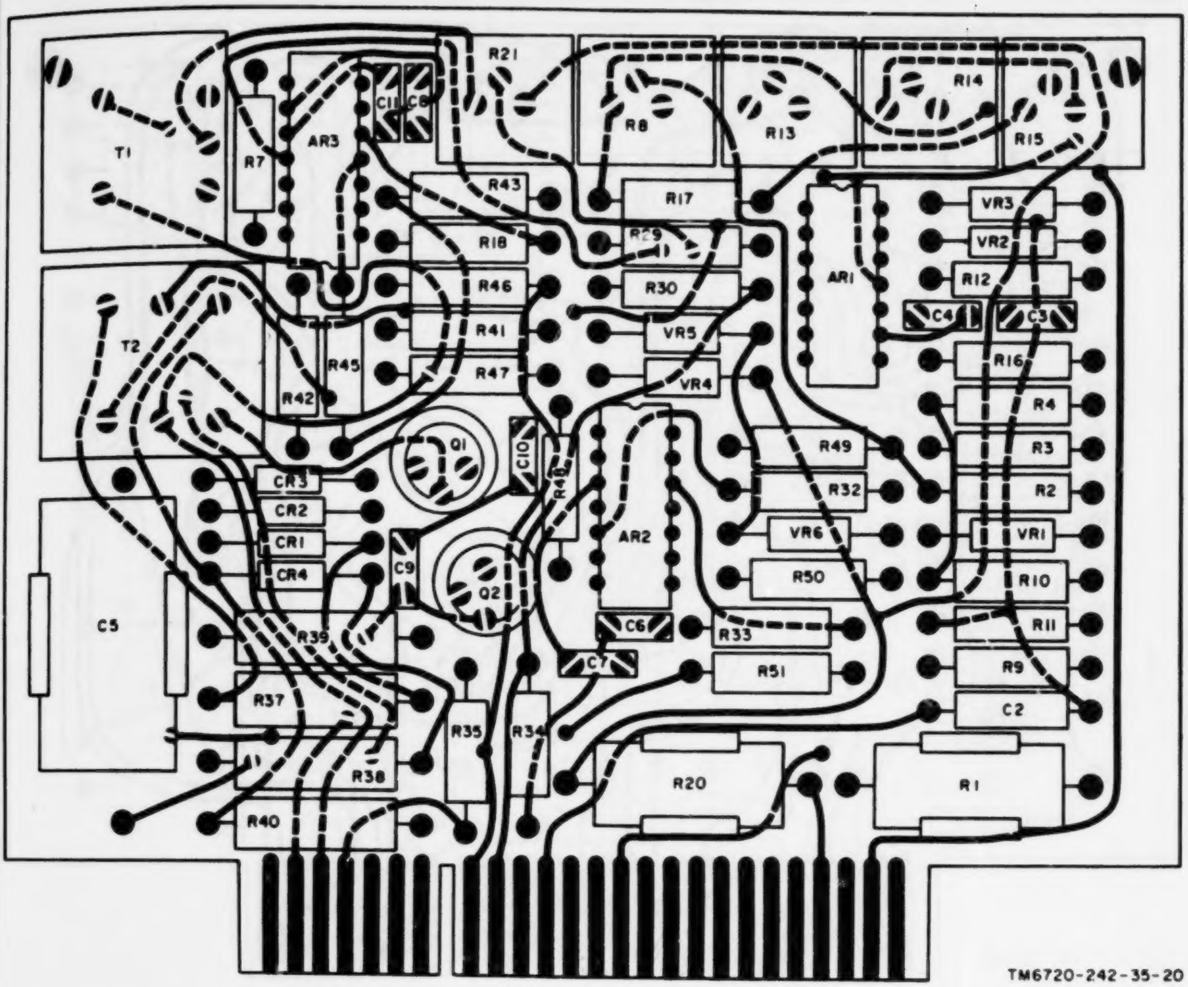

T1
R7
AR3
C11
C8
R21
R8
R13
R14
R15
R43
R17
VR3
VR2
R12
R18
R29
R46
R30
AR1
C4
C3
T2
R41
VR5
R16
R45
R42
R47
VR4
R4
Q1
C10
R49
R3
R48
R32
R2
CR3
CR2
CR1
CR4
AR2
VR6
VR1
C9
Q2
R50
R10
C5
C6
R33
R11
R39
C7
R51
R9
R37
C2
R35
R34
R20
R1
R38
R40

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Figure 6-22. Automatic exposure control (aec) board assembly, wiring diagram, front view.

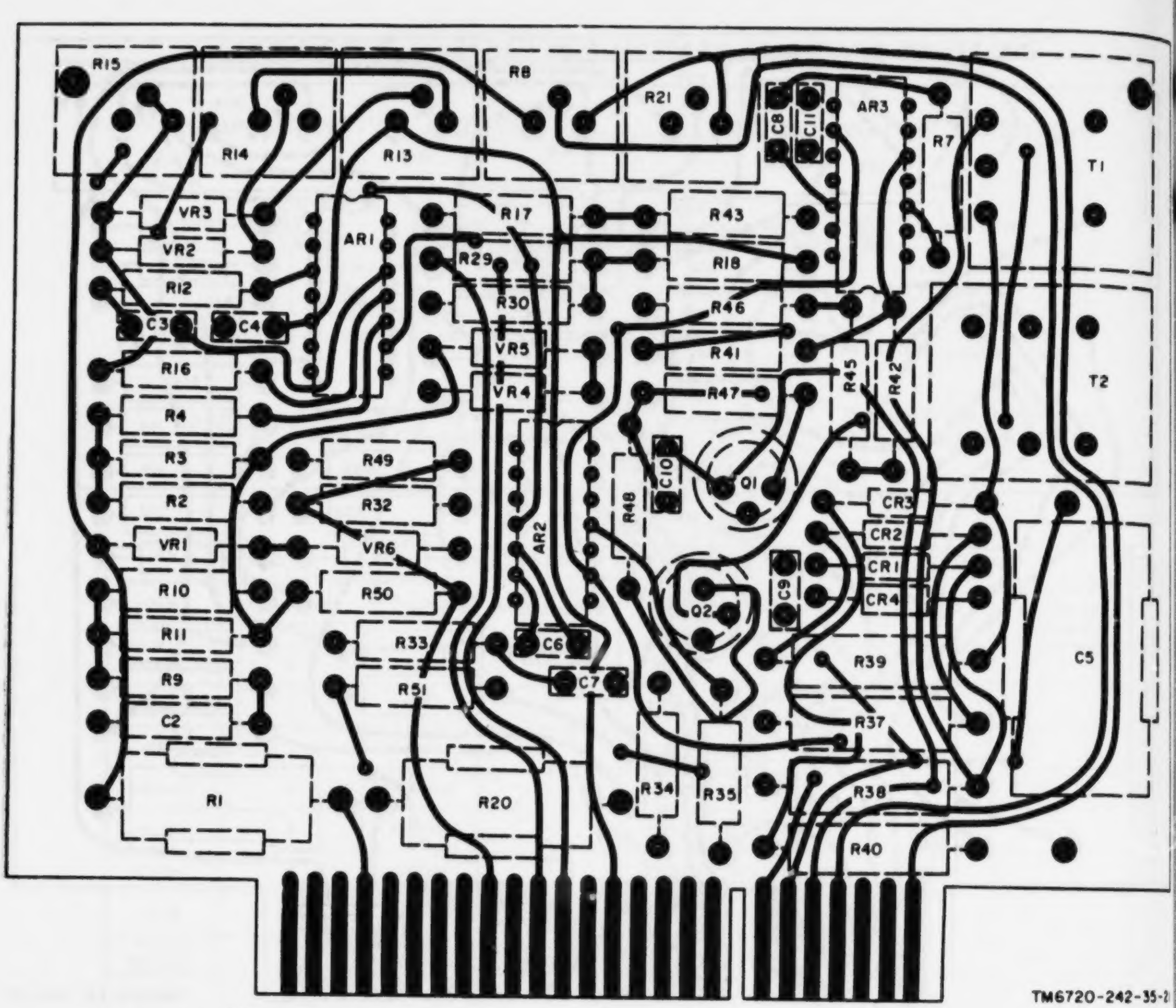
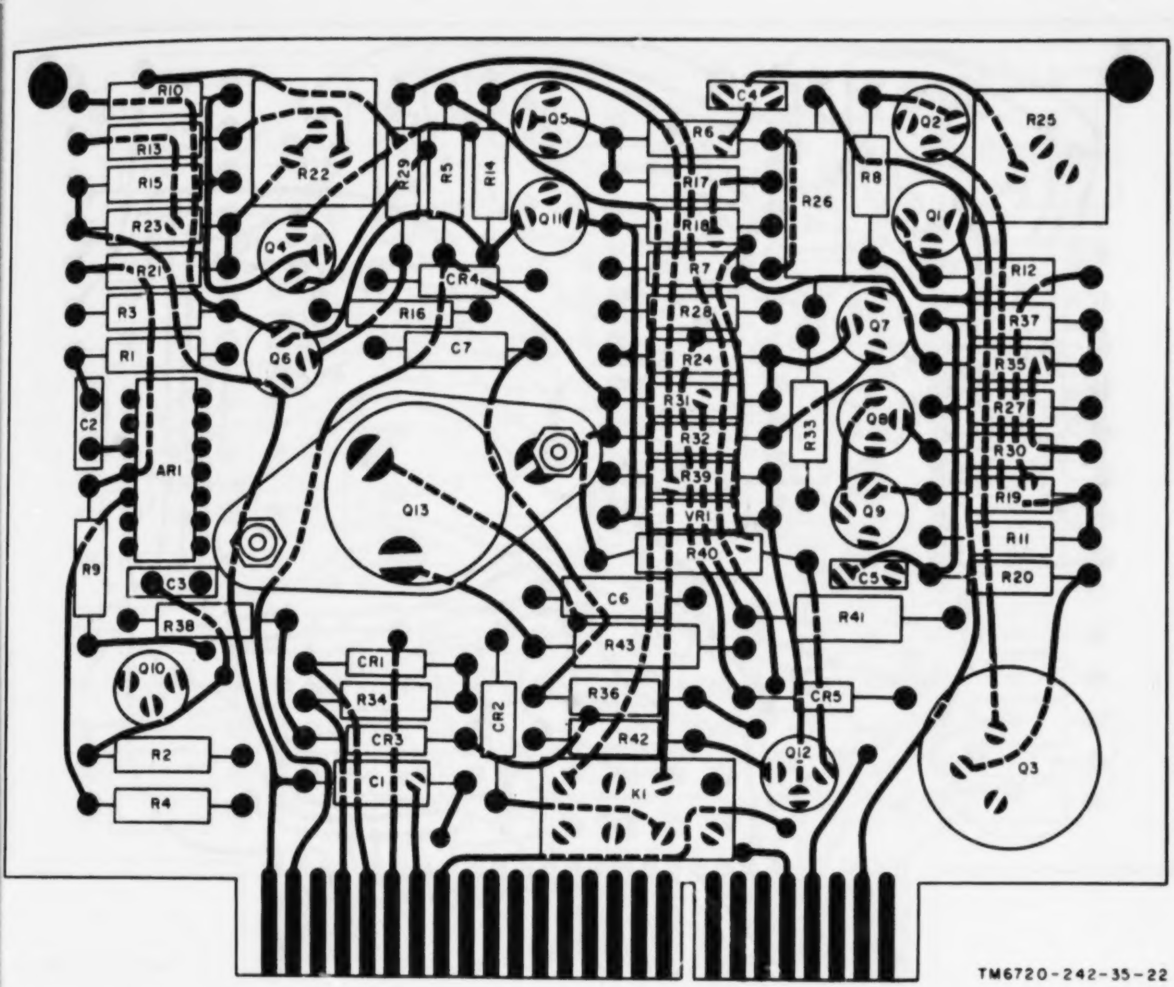
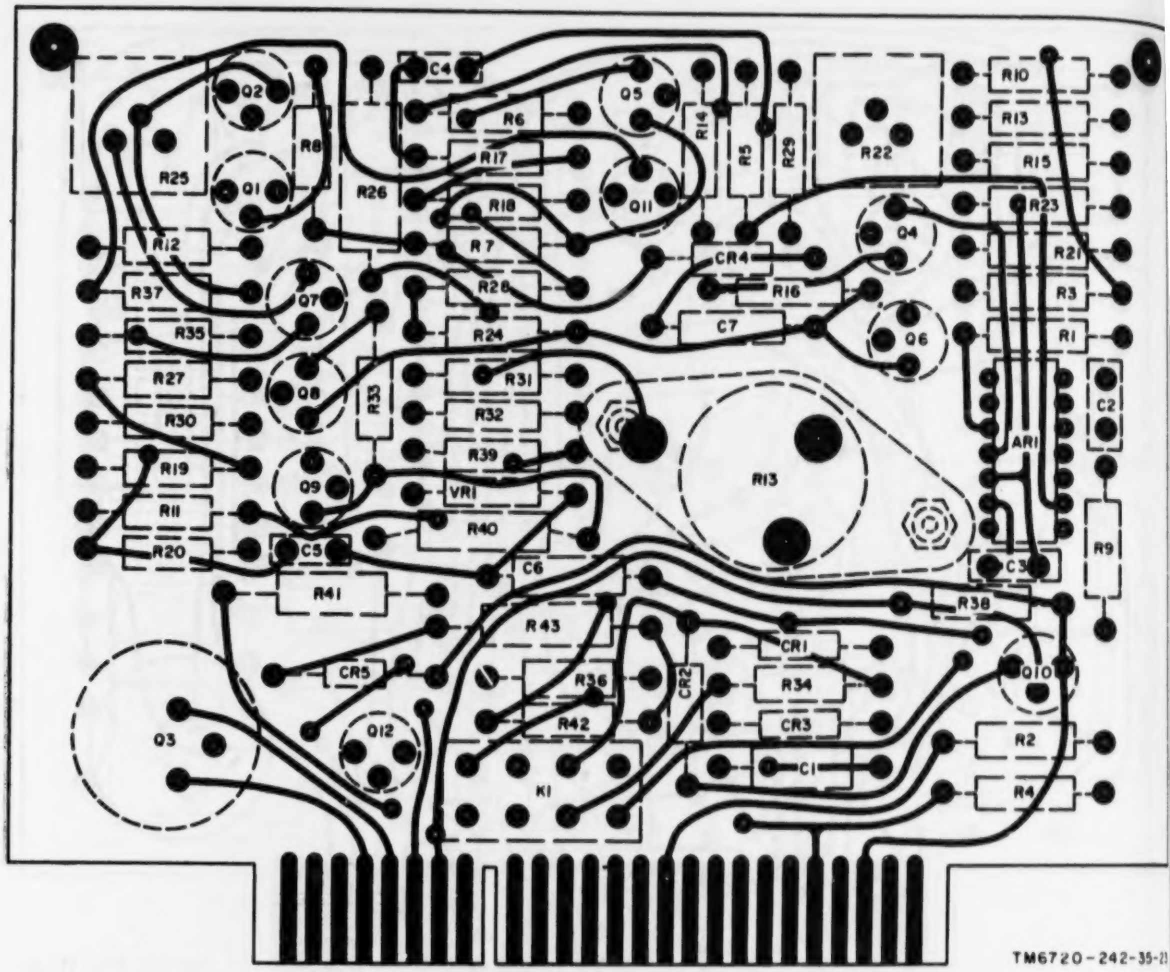

R15
R14
R13
R8
R21
C8
C11
AR3
R7
T1
VR3
VR2
R12
C3
C4
AR1
R17
R29
R30
VR5
VR4
R43
R18
R46
R41
R47
R45
R42
T2
R16
R4
R3
R2
VR1
R10
R11
R9
C2
R1
R49
R32
VR6
R50
R33
R51
R20
AR2
C6
C7
R48
C10
Q1
Q2
C9
CR3
CR2
CR1
CR4
R39
C5
R37
R34
R35
R38
R40
TM6720-242-35-2

Figure 6-23. Automatic exposure control (aec) board assembly, wiring diagram, rear view.


R10
R13
R15
R23
R21
R3
R1
C2
AR1
R9
C3
R38
Q10
R2
R4
R22
Q4
R29
R5
R14
CR4
R16
Q6
C7
Q13
Q5
Q11
R6
R17
R18
R7
R28
R24
R31
R32
R39
VR1
R40
C6
R43
R36
R42
CR1
R34
CR3
C1
CR2
K1
C4
R26
R8
Q2
R25
Q1
R12
Q7
R37
R35
R33
Q8
R27
R30
Q9
R19
R11
C5
R20
R41
CR5
Q12
Q3

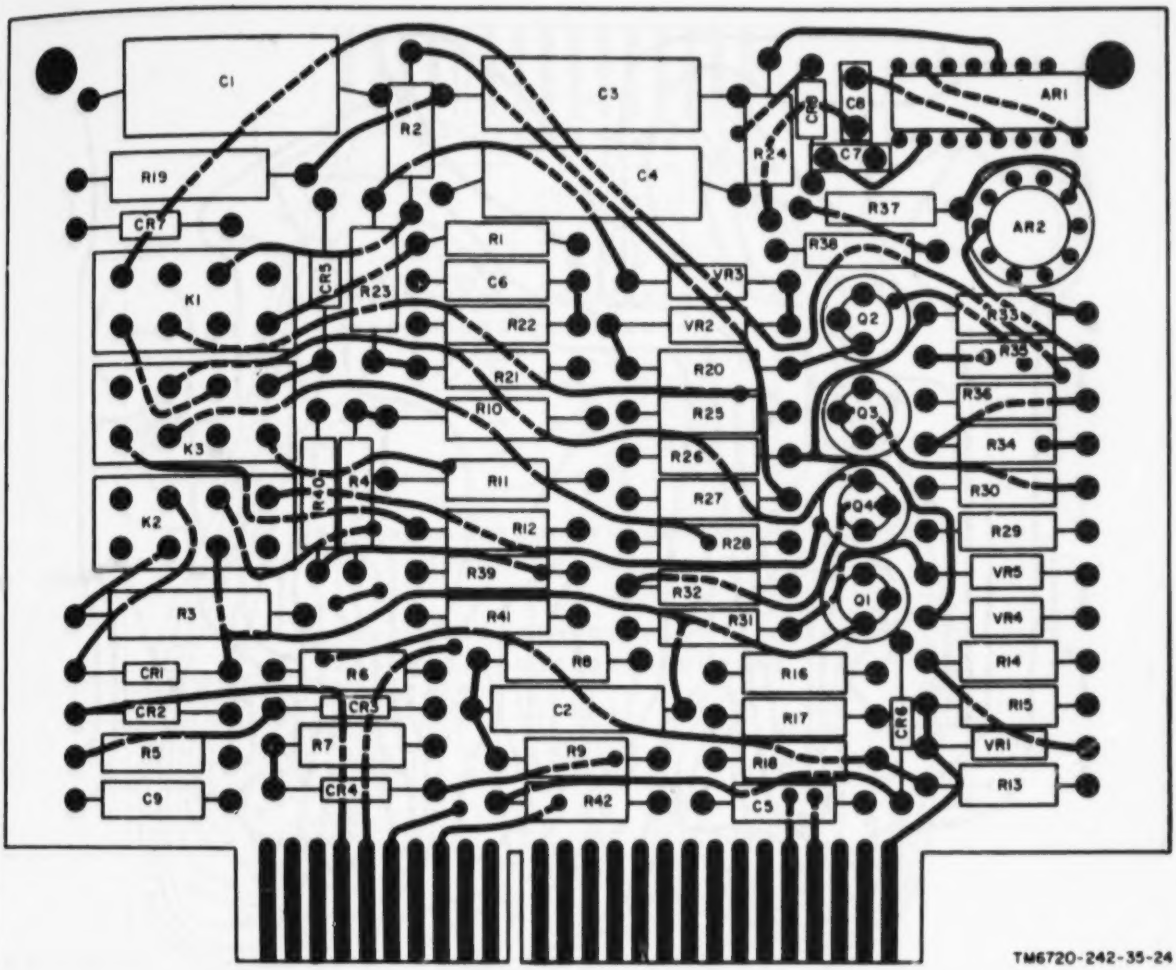
TM6720-242-35-22

Figure 6-24. Scan board assembly, wiring diagram, front view.


Q2
C4
Q5
R10
R8
R6
R14
R5
R29
R22
R13
R25
Q1
R26
R17
R15
R18
Q11
Q4
R23
R12
R7
CR4
R21
R37
Q7
R28
R16
R3
R35
R24
C7
Q6
R1
R27
Q8
R33
R31
C2
R30
R32
R39
AR1
R19
Q9
VR1
R13
R11
R40
R9
R20
C5
C6
C3
R41
R43
R38
CR1
CR5
R36
CR2
R34
Q10
Q3
Q12
R42
CR3
R2
C1
K1
R4

TM6720-242-35-2

Figure 6-25. Scan board assembly, wiring diagram, rear view.


C1
C3
R2
C4
CR8
C8
AR1
R24
C7
R19
CR7
R37
AR2
R1
R38
C6
VR3
CR5
R23
K1
R22
VR2
Q2
R33
R35
R21
R20
R36
R10
R25
Q3
K3
R34
R26
R11
R40
R4
R27
Q4
R30
K2
R12
R28
R29
R39
R32
VR5
R3
R41
R31
Q1
VR4
CR1
R6
R8
R16
R14
CR2
CR3
C2
R17
CR6
R15
R5
R7
VR1
R9
R18
R13
C9
CR4
R42
C5

TM6720-242-35-24

Figure 6-26. Control board assembly, wiring diagram, front view.

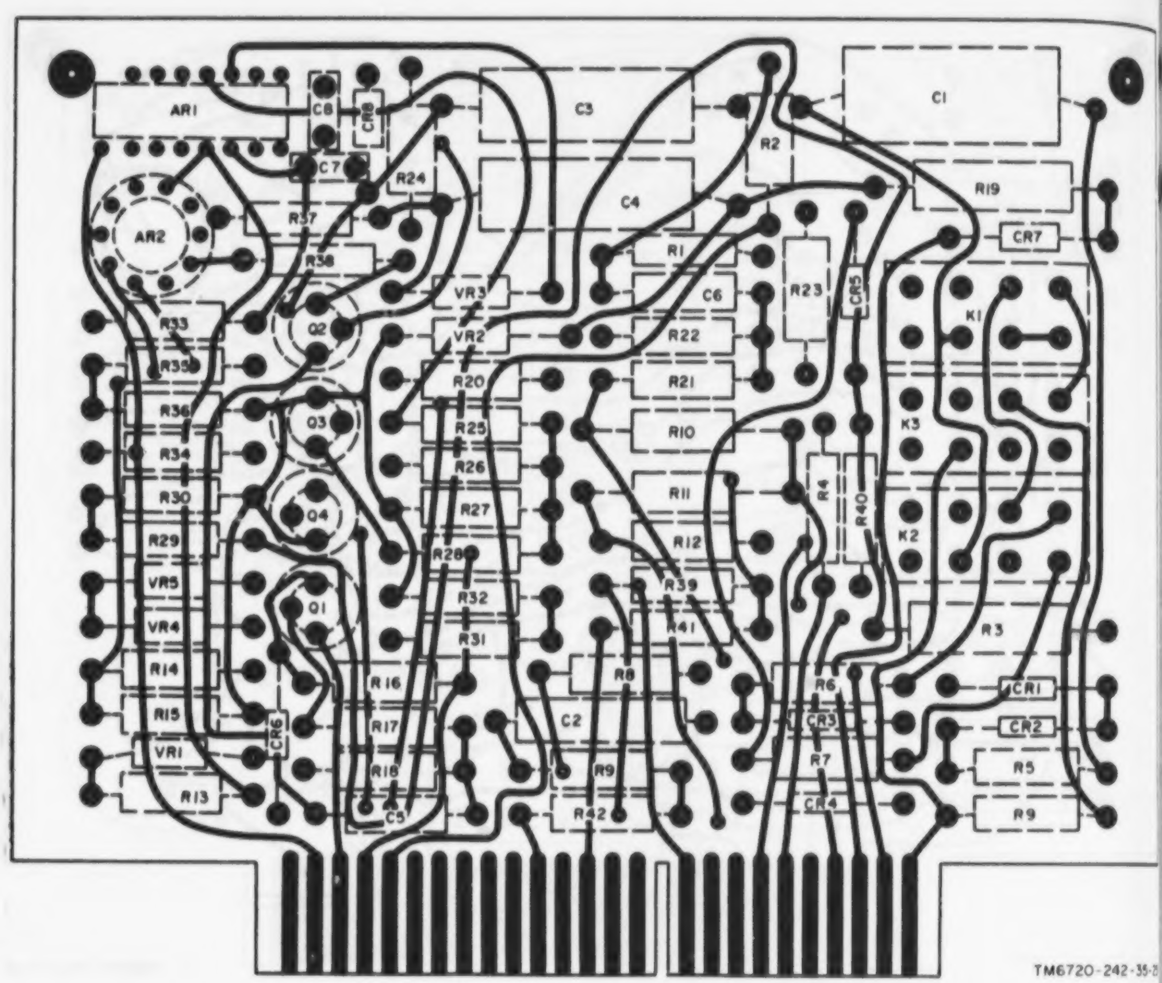
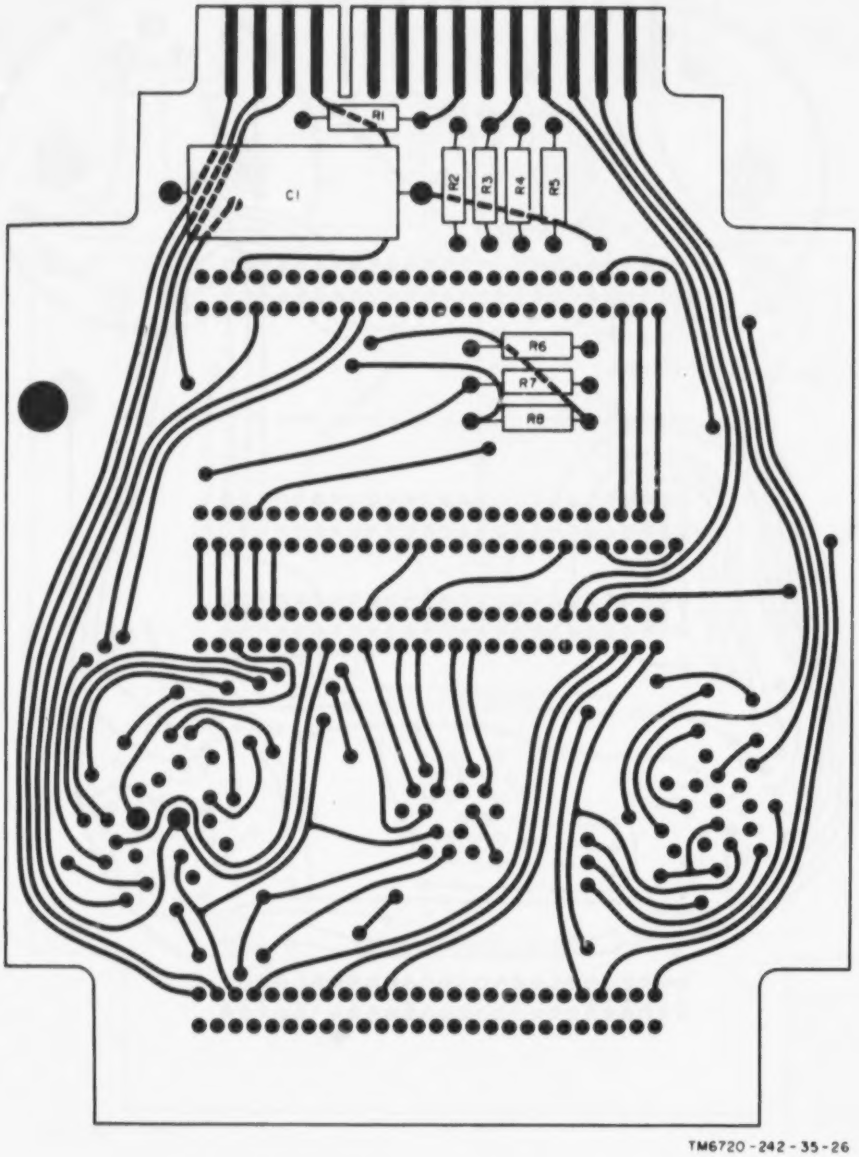
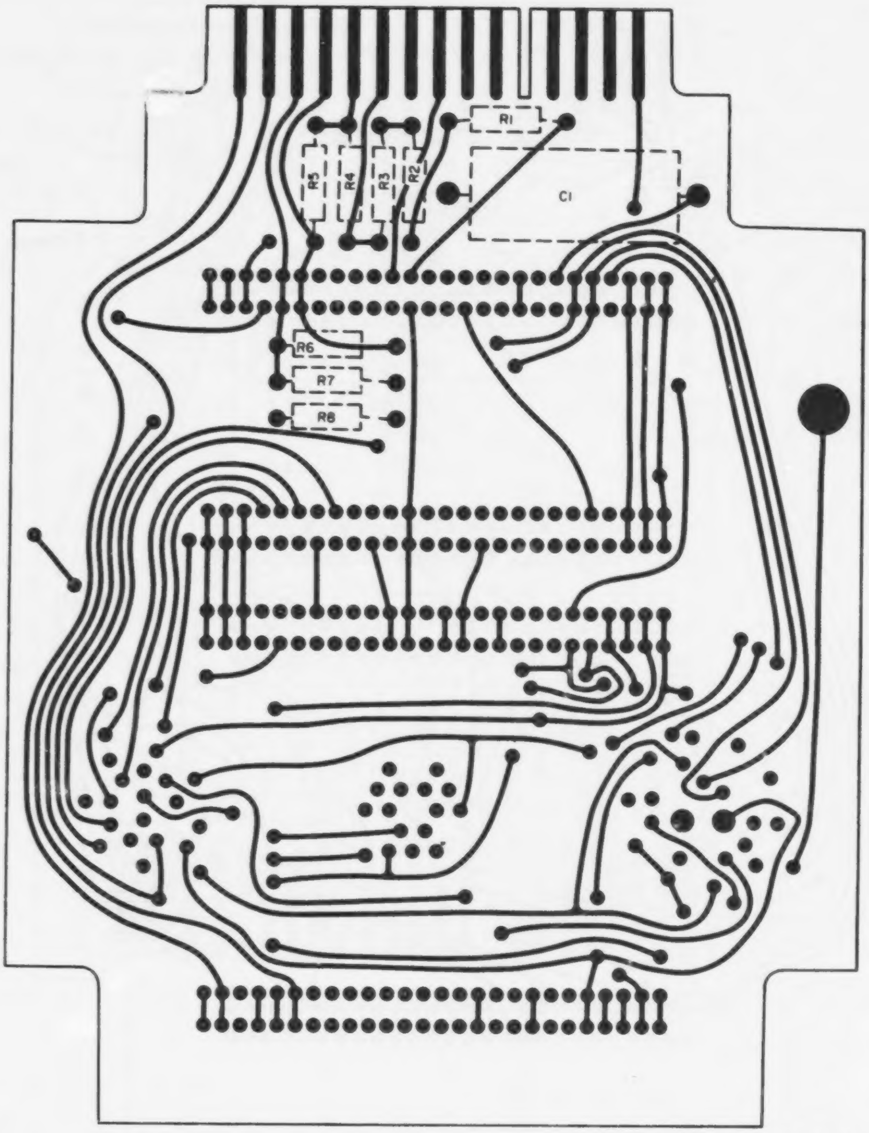

AR1
C8
CR8
C3
R2
C1
C7
R24
AR2
R37
C4
R19
R38
R1
CR7
R23
CR5
C6
VR3
Q2
R33
VR2
R22
K1
R35
R20
R21
R36
Q3
R25
R10
K3
R34
R26
R4
R40
R30
Q4
R27
R11
K2
R29
R28
R12
R39
VR5
R32
Q1
R41
R3
VR4
R31
R14
R16
R8
R6
CR1
R15
R17
C2
CR3
CR2
CR6
VR1
R18
R9
R7
R5
R13
C5
R42
CR4
R9
TM6720-242-35-

Figure 6-27. Control board assembly, wiring diagram, rear view.


R1
C1
R2
R3
R4
R5
R6
R7
R8

TM6720-242-35-26

Figure 6-28. Interconnecting board assembly, wiring diagram, front view.


R1
R5
R4
R3
R2
C1
R6
R7
R8

TM6720-242-35-27

Figure 6-29. Interconnecting board assembly, wiring diagram, rear view.

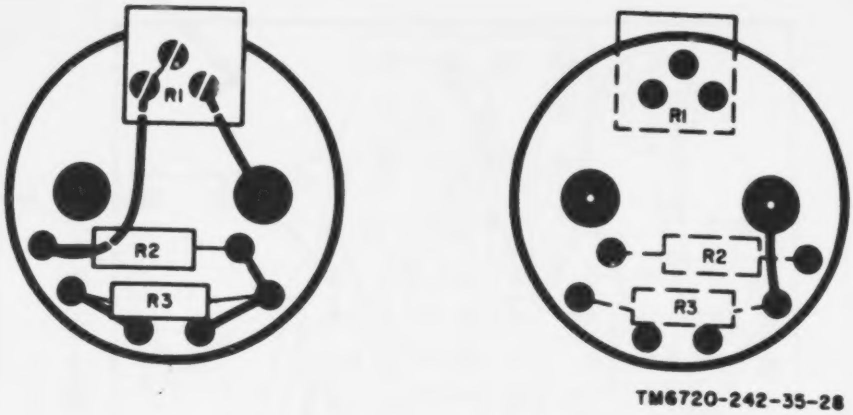
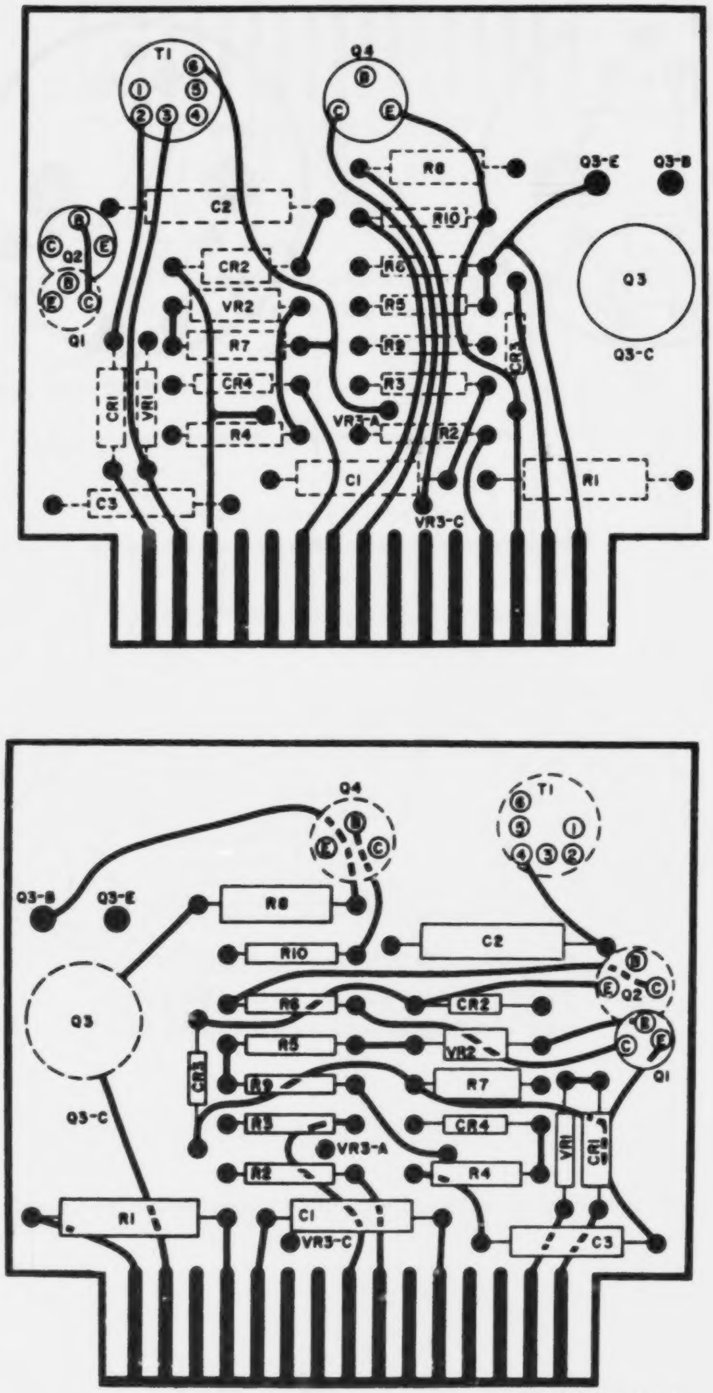
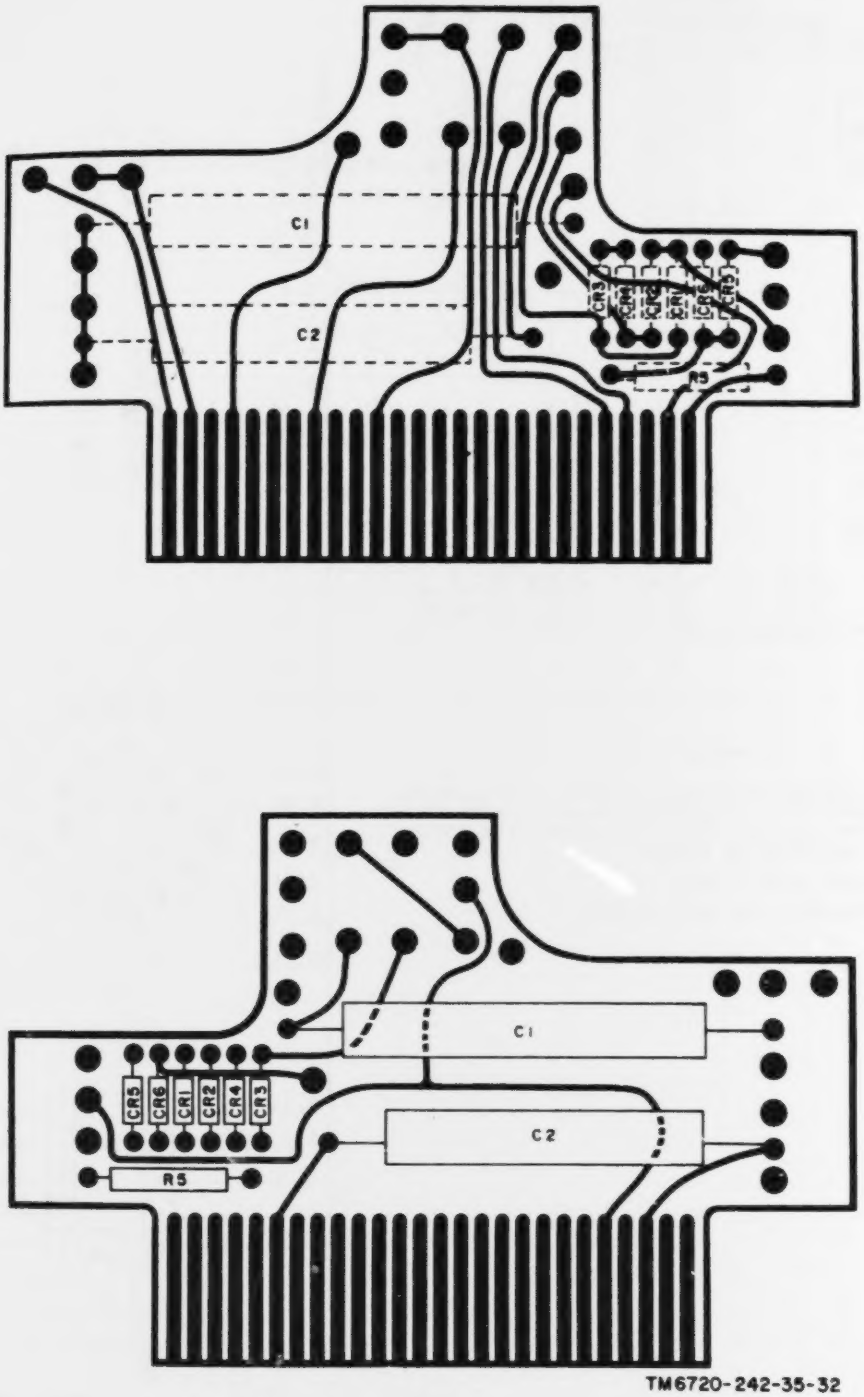

R1
R2
R3
R1
R2
R3
TM6720-242-35-28

Figure 6-30. Tachometer-generator board assembly, wiring diagram, rear view.


T1
1
2
3
4
5
6
Q4
B
C
E
R8
Q3-E
Q3-B
C2
R10
Q2
CR2
R6
Q3
VR2
R5
Q1
R7
R9
CR3
Q3-C
CR1
VR1
CR4
R3
VR3-A
R4
R2
C1
R1
C3
VR3-C

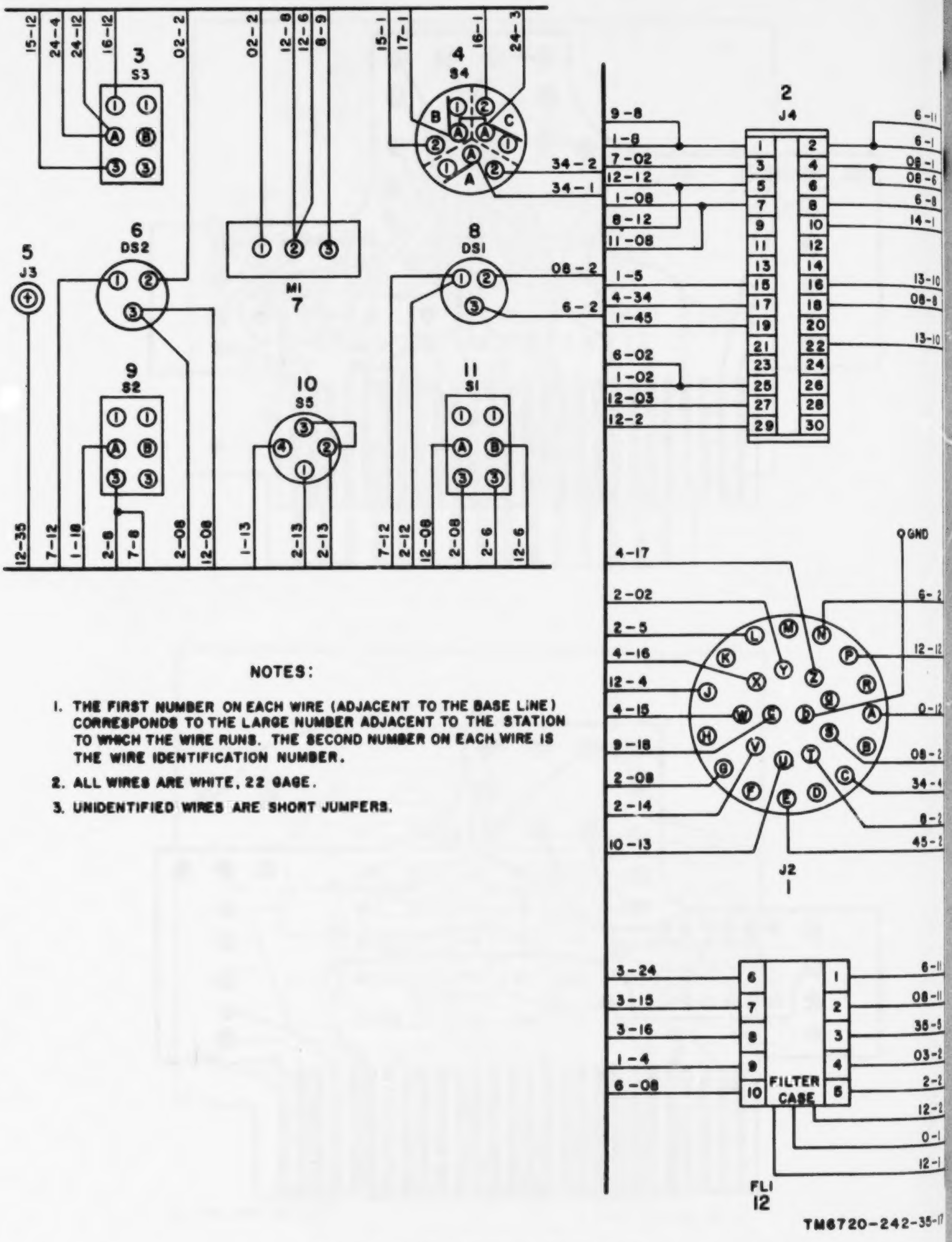
TM6720-242-35-31

Figure 6–31. Interface board assembly, wiring diagram, front and rear views.


C1
C2
CR3
CR4
CR2
CR1
CR6
CR5
R5
C1
CR5
CR6
CR1
CR2
CR4
CR3
C2
R5

TM6720-242-35-32

Figure 6-32. Power supply board assembly, wiring diagram, front and rear views.


15-12
24-4
24-12
16-12
02-2
3
S3
02-2
12-8
12-6
8-9
15-1
17-1
4
S4
16-1
24-3
B
C
A
34-2
34-1
5
J3
6
DS2
MI
7
8
DS1
08-2
6-2
9
S2
10
S5
11
S1
12-35
7-12
1-18
2-8
7-8
2-08
12-08
1-13
2-13
2-13
7-12
2-12
12-08
2-08
2-6
12-6
2
J4
9-8
1-8
7-02
12-12
1-08
8-12
11-08
1-5
4-34
1-45
6-02
1-02
12-03
12-2
6-11
6-1
08-1
08-6
6-8
14-1
13-10
08-8
13-10
GND
4-17
2-02
2-5
4-16
12-4
4-15
9-18
2-08
2-14
10-13
6-2
12-12
0-12
08-2
34-4
8-2
45-2
J2
1
3-24
3-15
3-16
1-4
6-08
FILTER CASE
6-11
08-11
38-5
03-2
2-2
12-2
0-1
12-1
FL1
12
TM6720-242-35-17

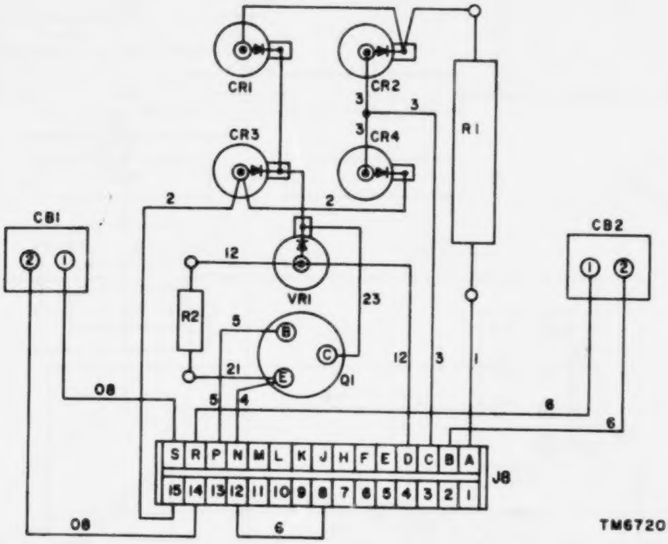
NOTES:

1. THE FIRST NUMBER ON EACH WIRE (ADJACENT TO THE BASE LINE) CORRESPONDS TO THE LARGE NUMBER ADJACENT TO THE STATION TO WHICH THE WIRE RUNS. THE SECOND NUMBER ON EACH WIRE IS THE WIRE IDENTIFICATION NUMBER.
2. ALL WIRES ARE WHITE, 22 GAGE.
3. UNIDENTIFIED WIRES ARE SHORT JUMPERS.

Figure 6-33. Control panel, wiring diagram.

NOTES:

1. ALL WIRES ARE WHITE, 22 GAGE.
2. UNIDENTIFIED WIRES ARE SHORT JUMPERS.

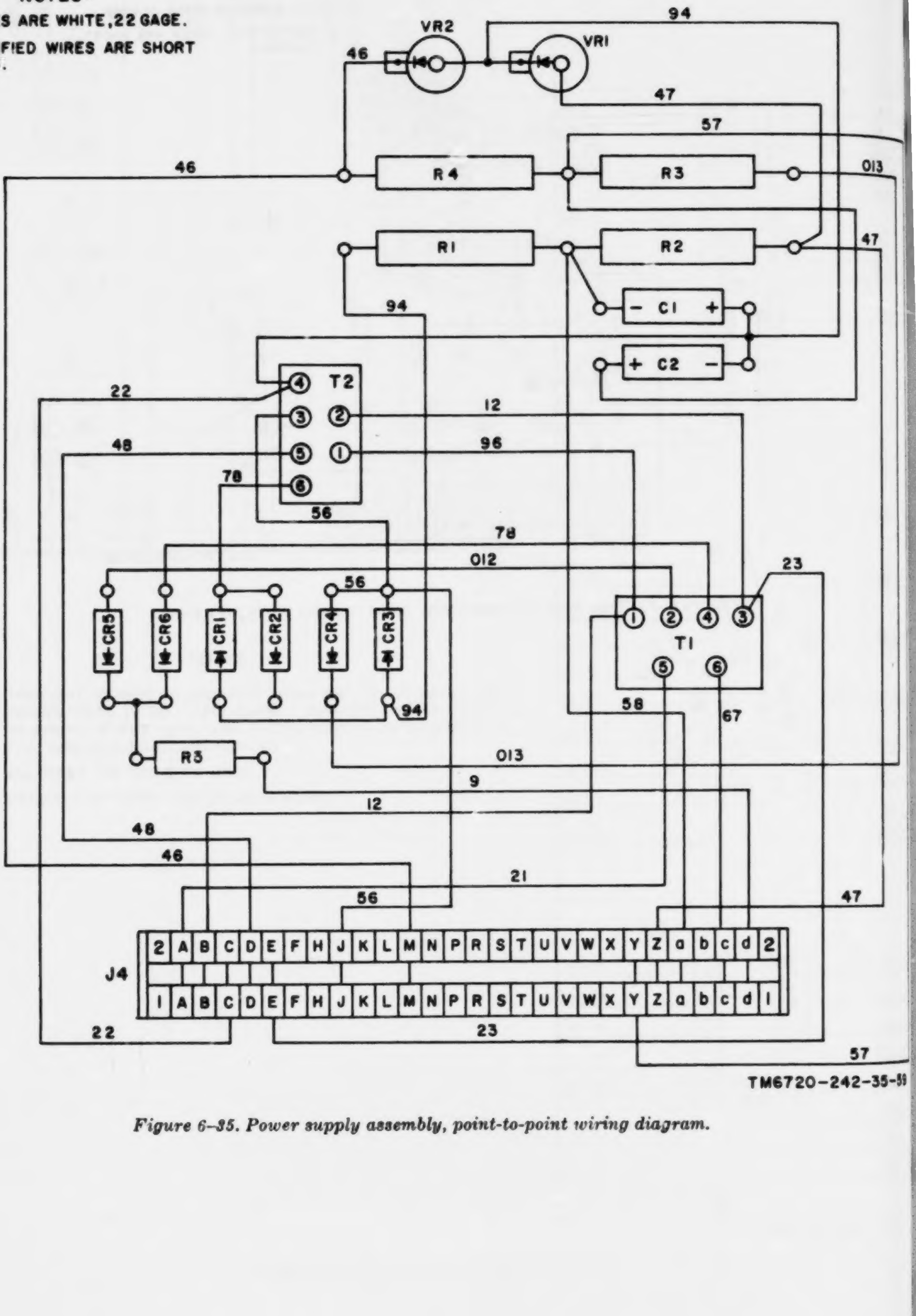

CR1
CR2
CR3
CR4
R1
R2
VR1
Q1
B
C
E
CB1
CB2
① ②
J8
S R P N M L K J H F E D C B A
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
2
3
12
23
5
21
4
08
6
1

TM6720-242-35-58

Figure 6-34. Scan heat sink assembly, point-to-point wiring diagram.

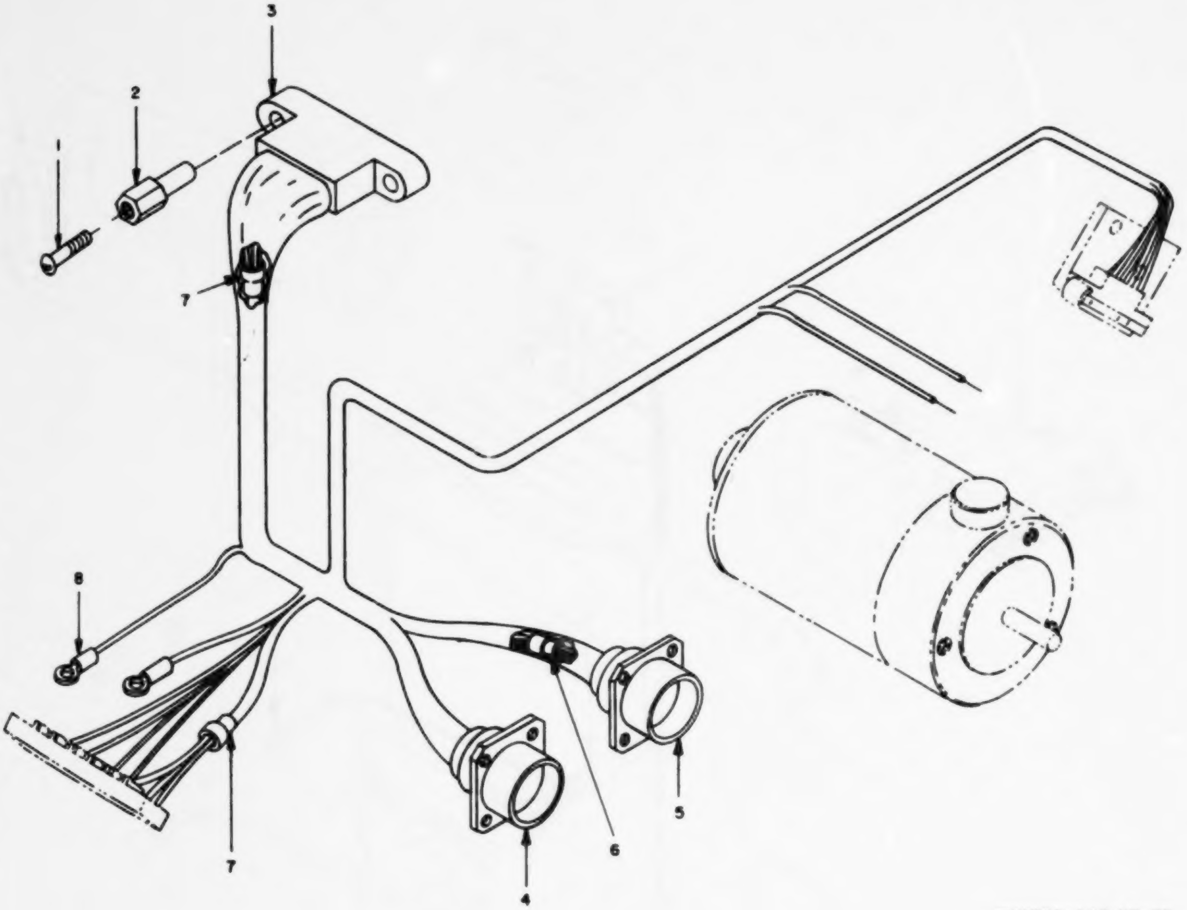
NOTES:

1. ALL WIRES ARE WHITE, 22 GAGE.
2. UNIDENTIFIED WIRES ARE SHORT JUMPERS.


VR2
94
VR1
46
47
57
46
R4
R3
013
R1
R2
47
94
C1
C2
T2
22
12
48
96
78
56
78
012
23
56
CR5
CR6
CR1
CR2
CR4
CR3
T1
58
67
94
R5
013
9
12
48
46
21
56
47
J4
2 A B C D E F H J K L M N P R S T U V W X Y Z a b c d 2
1 A B C D E F H J K L M N P R S T U V W X Y Z a b c d 1
22
23
57

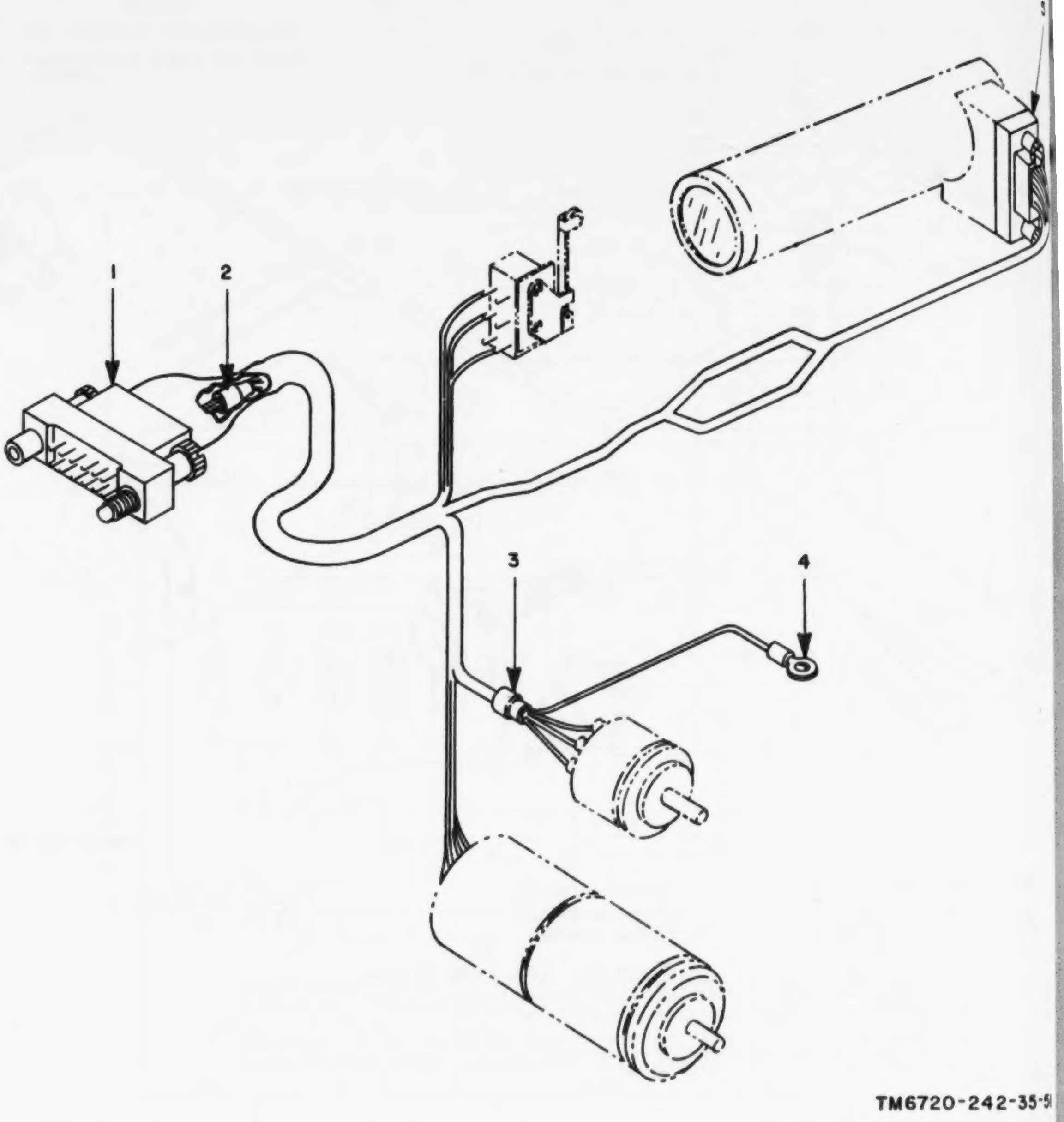
TM6720-242-35-59

Figure 6-35. Power supply assembly, point-to-point wiring diagram.


3
2
1
7
8
7
4
6
5
TM6720-242-35-52

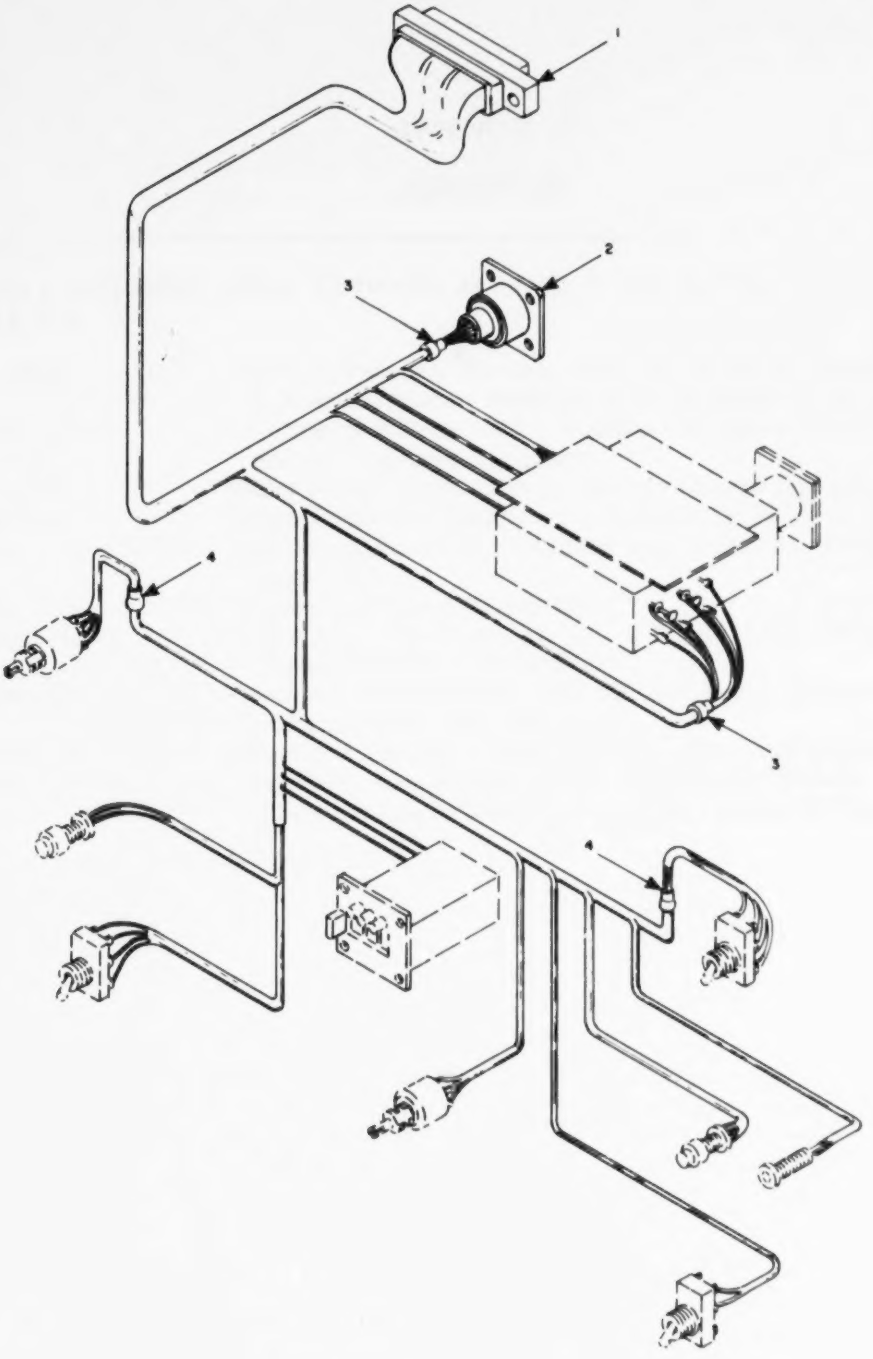
1 Screw (H219-220)
2 Spacer (MP413-414)
3 Connector block (W1J3)
4 Connector (W1J2)
5 Connector (W1J1)
6 Ferrule (MP23)
7 Ferrule (MP24-25)
8 Lug (E1-E4)

Figure 6-37. Body, wiring harness.


5
1
2
3
4
TM6720-242-35-5

1 Connector block (W1P3)
2 Ferrule (MP26)
3 Ferrule (MP27)
4 Terminal (W1E1)
5 Connector (W1P1)

Figure 6–38. Automatic exposure control (aec), wiring harness.



TM6720-242-35-61

1 Connector J4 (W1J4)
2 Ferrule (W1J2)
3 Ferrule (MP26-29)
4 Terminal (MP30-31)

Figure 6-39. Control panel, wiring diagram.

APPENDIX A

REFERENCES

The following publications contain information applicable to the maintenance of the Camera, Still Picture KA-60C.

DA Pam 310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders.
SB 11-573	Painting and Preservation Supplies Available for Field Use for Electronics Command Equipment.
TB SIG 355-1	Depot Inspection Standard for Repaired Signal Equipment.
TB SIG 355-2	Depot Inspection Standard for Refinishing Repaired Signal Equipment.
TB 746-10	Field Instructions for Painting and Preserving Electronics Command Equipment.
TM 11-401	Elements of Signal Photography.
TM 11-6625-444-15	Operator's, Organizational, DS, GS, and Depot Maintenance Manual: Digital Voltmeter AN/GSM-64.
TM 11-6625-535-15	Operator, Organizational, DS, GS, and Depot Maintenance Manual: Oscilloscope AN/USM-140A.
TM 11-6625-700-10	Operator's Manual: Digital Readout, Electronic Counter AN/USM-207.
TM 11-6760-244-12	Operator's and Organizational Maintenance Manual Including Repair Parts and Special Tool Lists: Test Set, Camera LS-86A.

APPENDIX B

DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

B-1. Scope

This appendix lists repair parts, special tools and test equipment required for the performance of direct support, general support, and depot maintenance of Camera, Still Picture KA-60C.

B-2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Repair Parts for Direct Support, General Support, and Depot Maintenance—Section II. A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level.

b. Special Tools, Test and Support Equipment–Section III. A list of special tools, test, and support equipment authorized for the performance of maintenance at the direct support, general support, and depot level.

c. Index-Federal Stock Number and Reference Number Cross Reference to Figure and Item Number or Reference Designation—Section IV. A list of Federal stock numbers in ascending numerical sequence, followed by a list of reference numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and reference designation.

d. Index-Reference Designation Cross Reference to Page Number—Section V. A list of reference designations cross-referenced to page numbers.

B-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists:

a. Source, Maintenance, and Recoverability Codes (SMR), Column 1:

(1) Source code indicates the selection status and source for the listed item. Source codes are:

Code	*Explanation*
P	Repair parts which are stocked in or supplied from the GS/DSA, or Army supply system, and authorized for the use at indicated maintenance categories.
P2	Repair parts which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
P9	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380-41.
P10	Assigned to items which are NSA design controlled special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41, and which are stocked and supplied by the Army COMSEC logistic system.
M	Repair parts which are not procured or stocked but are to be manufactured at indicated maintenance levels.
A	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X	Parts and assemblies which are not procured or stocked and the mortality of

Code *Explanation*

which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end items from the supply system.

X1—Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.

X2—Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.

G—Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

(2) Maintenance code indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are:

Code	*Explanation*
O	Organizational maintenance
F	Direct support maintenance
H	General support maintenance
D	Depot maintenance

(3) Recoverability code indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are:

Code *Explanation*

R—Repair parts and assemblies that are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.

S—Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.

T—High dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.

U—Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value reusable casings or castings.

b. Federal Stock Number, Column 2. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description, Column 3. This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.

d. Unit of Measure (U/M), Column 4. A two-character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.

e. Quantity Incorporated in Unit, Column 5. This column indicates the quantity of the item used in the assembly group. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF."

f. Allowances—(30-Day DS/GS Maintenance, 1 Year Per Equipment (Contingency), and Depot Maintenance), Columns 6, 7, 8 and 9. Items authorized for requisition as required are identified by an asterisk in the allowance column.

g. Illustrations, Column 10. This column is divided as follows:

(1) *Figure number, column 10a.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item number or reference designation, column 10b.* Indicates the reference designation used to identify the item in the illustration.

B-4. Locaton of Repair Parts

a. This appendix contains two cross-reference indexes (sec IV and V) to be used to locate a repair part when either the Federal stock number, reference number (manufacturer's part number), or reference designation is known. The first column in each index is prepared in numerical or alphanumeric sequence in ascending order. Where a Federal stock number is not listed, refer to the reference number (manufacturer's part number) immediately following the last listed Federal stock number.

b. When the Federal stock number or reference number is known, follow the procedure given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec IV) and locate the Federal stock number or reference number. The Federal stock number or reference number is cross-referenced to the applicable figure and reference designation.

(2) When the reference designation is determined, refer to the reference designation index (sec V). The reference designations are listed in numerical ascending order and are cross-referenced to the page number on which they appear in the repair parts list (sec II). Refer to the page number noted in the index and locate the reference designation (col 10b).

c. When the reference designation is known, follow the procedures given in *b*(2) above.

d. When neither the Federal stock number, reference number, nor reference designation is known, identify the part in the illustration and follow directions given in *c* above; or scrutinize column 3 of the repair parts list (sec II).

B-5. Federal Supply Code for Manufacturers

Code	*Manufacturer*
00141	Pic Design Corp.
00348	Microtran Co., Inc.
05820	Wakefield Engineering, Inc.
07047	Ross Milton Co., The
09922	Burndy Corp.
10012	Space Products, Inc.
10581	Magnetico, Inc.
12881	Metex Corp.
14140	Edison Electronics Div. McGraw Edison
16512	Fabritex, Inc. National Connector Div.
16941	Longlok Industrial Fastener Division of Whittaker Corp.
18915	Birtcher Corp., The Industrial Division
21335	Fafnir Bearing Co., The Division of Textron, Inc.
23266	Superior Electromechanical Component Service, Inc.
46384	Penn Engineering and Mfg. Corp.
56289	Sprague Electric Co.
59730	Thomas and Betts Co., The
61463	Uniroyal, Inc.
71279	Cambridge Thermionic Corp.
71286	Rex Chainbelt, Inc. Camloc Division
71785	Cinch Mfg. Co. Howard B. Jones Div.
72314	Fairchild Space and Defense Systems a Div. of Fairchild Camera and Instrument Corp.
72619	Dialight Corp.
72794	Dzus Fastener Co., Inc.
80205	National Aerospace Standards
81073	Grayhill, Inc.
81349	Military Specifications
83086	New Hampshire Ball Bearing, Inc.
85252	Duffy, J. P. Co.
88044	Aeronautical Standards
91929	Honeywell, Inc. Micro Switch Division
92830	Wallace Barnes Div. of Associated Spring Corp.
94222	Southco, Inc.
95238	Continental Connector Corp.
95987	Weckesser Co., Inc.
96881	Thomson Industries, Inc.
96906	Military Standards

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
	6720-890-7610	CAMERA,STILL PICTURE KA-60C (THIS ITEM IS NONEXPENDABLE)													
P-O-S	6760-413-4392	CARRYING CASE,CAMERA 1214-353 (72314)		EA	1	•	•	•	•	•	•	•	•		
G-O-S	6720-890-7608	BODY,CAMERA LA-411A 1214B1 (72314)		EA	1										1A1
M-D		ACTUATOR,SWITCH 1214-380 (72314)		EA	1									3-4	1A1MP1
P-F	5305-054-5635	SCREW,MACHINE MS51957-1 (96906)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1H1
P-H	6720-112-8775	ARM,COUNTERWEIGHT 1214-3 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP2
P-H	6720-107-4414	ARM,COUNTERWEIGHT 1214-4 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP3
P-F-R	6720-107-4423	AUTOMATIC EXPOSURE CONTACT ASSEMBLY 1214B5 (72314)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1A1
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)		EA	6				•	•	•	•	•	3-4	1A1H2
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H3
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H4
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H5
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H6
P-H	5305-763-6963	SCREW,MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H7
P-H	5930-832-4163	ADAPTER,SWITCH ACTUATOR JS246 (91929)		EA	1				•	•	•	•	•	3-3	1A1A1MP4
P-H	6720-107-4403	ARM,CAM FOLLOWER 1214-1 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP5
P-H	5305-182-7337	SCREW,SHOULDER 1214-10 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1H8
M-D		BAFFLE,LIGHT 1214-379 (72314)		EA	1									3-3	1A1A1MP6
P-H	6720-107-4404	BLADE,CAPPING 1214-69 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP7
P-H	6760-071-9362	BLADE,DIAPHRAGM 1193-80 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP8
P-H	6720-107-4419	BLADE,DIAPHRAGM 1214-252 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP9
P-H	6720-107-4426	BLADE,SHUTTER 1214-26 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP10
P-H	6720-107-4421	BRACKET,SWITCH 1214-50 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP11
P-H		BEARING,BALL,ANNULAR SFR1445PPK25 (83086)		EA	4				•	•	•	•	•	3-3	1A1A1MP12
P-H		BEARING,BALL,ANNULAR SFR1445PPK25 (83086)		EA	REF				•	•	•	•	•	3-3	1A1A1MP13
P-H		BEARING,BALL,ANNULAR SFR1445PPK25 (83086)		EA	REF				•	•	•	•	•	3-3	1A1A1MP14
P-H		BEARING,BALL,ANNULAR SFR1445PPK25 (83086)		EA	REF				•	•	•	•	•	3-3	1A1A1MP15
P-H	3110-722-0999	BEARING,BALL,ANNULAR SFR1555PPK25 (83086)		EA	2				•	•	•	•	•	3-3	1A1A1MP16
P-H	3110-722-0999	BEARING,BALL,ANNULAR SFR1555PPK25 (83086)		EA	REF				•	•	•	•	•	3-3	1A1A1MP17
P-H	5815-980-7174	BEARING,BALL,ANNULAR SFR1663MMK25 (83086)		EA	2				•	•	•	•	•	3-3	1A1A1MP18
P-H	5815-980-7174	BEARING,BALL,ANNULAR SFR1663MMK25 (83086)		EA	REF				•	•	•	•	•	3-3	1A1A1MP19

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION		(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
		REFERENCE NUMBER & MFR CODE	USABLE ON CODE			(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	3110-019-6390	BEARING,BALL,ANNULAR SR144PPK25 (83086)		EA	1				•	•	•	•	•	3-3	1A1A1MP20
P-H		BEARING,BALL,ANNULAR SR1665PPK25 (83086)		EA	2				•	•	•	•	•	3-3	1A1A1MP21
P-H		BEARING,BALL,ANNULAR SR1665PPK25 (83086)		EA	REF				•	•	•	•	•	3-3	1A1A1MP22
P-H	6720-107-4420	BEARING,PLATE ASSEMBLY 1214B17 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP23
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	12				•	•	•	•	•	3-3	1A1A1H9
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H10
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H11
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H12
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H13
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H14
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H15
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H16
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H17
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H18
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H19
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H20
P-H	3120-182-8261	BUSHING,SLEEVE 1214-67 (72314)		EA	2				•	•	•	•	•	3-3	1A1A1MP24
P-H	3120-182-8261	BUSHING,SLEEVE 1214-67 (72314)		EA	REF				•	•	•	•	•	3-3	1A1A1MP25
P-H	6720-107-4406	CAM,FOLLOWER 1214-11 (72314)		EA	2				•	•	•	•	•	3-3	1A1A1MP26
P-H	6720-107-4406	CAM,FOLLOWER 1214-11 (72314)		EA	REF				•	•	•	•	•	3-3	1A1A1MP27
P-H	6720-112-8780	CAM,SHAFT ASSEMBLY 1214B36 (72314)		EA	1				•	•	•	•	•		1A1A1MP28
X1-H		CAM,GEAR ASSEMBLY 1214B19 (72314)		EA	1									3-3	1A1A1MP29
P-H	5315-841-5416	PIN,STRAIGHT,HEADLESS MS16555-606 (96906)		EA	1				•	•	•	•	•	3-3	1A1A1MP30
X1-H		SHAFT,SHOULDER 1214-57 (72314)		EA	1									3-3	1A1A1MP31
P-H	6720-018-9479	CAPPING LINK ASSEMBLY 1414B35 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP32
X2-H	3110-019-6390	BEARING,BALL,ANNULAR SR144PPK25 (83086)		EA	1										1A1A1MP33
X1-H		BEARING,BALL,ANNULAR SR2-5PPK25 (83086)		EA	1										1A1A1MP34
X1-H		LINK,CAPPING 1214-66 (72314)		EA	1										1A1A1MP35
X1-H		PIN,SHOULDERED,HEADLESS 1214-188 (72314)		EA	1										1A1A1MP36
X1-H		PIN,SHOULDERED,HEADLESS 1214-189 (72314)		EA	1										1A1A1MP37
P-H	5340-804-6895	RING,RETAINING MS16624-1012 (96906)		EA	1				•	•	•	•	•	3-4	1A1A1MP38

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X1-H		SHIM S126SP003A187 (72314)		EA	2										1A1A1MP39
X1-H		SHIM S126SP003A187 (72314)		EA	REF										1A1A1MP40
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	1				•	•	•	•	•	3-4	1A1A1H21
P-H	6720-107-4410	CARRIAGE ASSEMBLY 1214B34 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP41
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)		EA	5				•	•	•	•	•	3-3	1A1A1H22
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H23
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H24
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H25
P-H	5305-054-6653	SCREW, MACHINE MS51957-29 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H26
P-F-T	6720-419-3127	RECORDING HEAD, ASSEMBLY, AYA-5 1214-398 (72314) OR		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A2V1
P-F-T	6720-419-3126	RECORDING HEAD, ASSEMBLY, AYA-10 1214-418 (72314)		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A2V1
P-F	6720-107-4407	CLAMP ASSEMBLY 1214B42 (72314)		EA	2	•	•	•	•	•	•	•	•	3-3	1A1A1MP42
P-F	6720-107-4407	CLAMP ASSEMBLY 1214B42 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1MP43
P-F	5340-168-7033	CLAMP, CATHODE RAY TUBE 1214-60 (72314)		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A1MP44
P-F	5340-057-9979	CLAMP, LOOP NAS1397R4B (80205)		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A1MP45
P-F	5340-811-9169	CLAMP, LOOP NAS1397R6B (80205)		EA	1	•	•	•	•	•	•	•	•		1A1A1MP46
P-F	5310-934-9748	NUT, PLAIN, HEXAGON MS35649-244 (96906)		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A1H27
P-F	5305-770-2579	SCREW, MACHINE MS51959-15 (96906)		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A1H28
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)		EA	2	•	•	•	•	•	•	•	•	3-3	1A1A1H29
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H30
P-F	5340-105-6899	CLAMP, RIM CLENCHING CG141A (23266)		EA	3	•	•	•	•	•	•	•	•	3-3	1A1A1MP47
P-F	5340-105-6899	CLAMP, RIM CLENCHING CG141A (23266)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1MP48
P-F	5340-105-6899	CLAMP, RIM CLENCHING CG141A (23266)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1MP49
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)		EA	3	•	•	•	•	•	•	•	•	3-3	1A1A1H31
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H32
P-F	5305-054-5637	SCREW, MACHINE MS51957-3 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H33
P-F	3010-497-1621	CLUTCH, FRICTION 1214-119 (72314)		EA	1	•	•	•	•	•	•	•	•	3-3	1A1A1MP50
P-H	3010-165-6806	GEARCASE, MOTOR 1214-8 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP51
P-H	6760-074-3229	GUIDE, BLADE 1193-72 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP52
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)		EA	5				•	•	•	•	•	3-3	1A1A1H34
P-H	5305-054-5646	SCREW, MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H35

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO. OR REFERENCE DESIGNATION
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H36
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H37
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H38
P-H	6720-106-7877	GUIDE,FILM 1214-53 (72314)		EA	2				•	•	•	•	•		1A1A1MP53
P-H	6720-106-7877	GUIDE,FILM 1214-53 (72314)		EA	REF				•	•	•	•	•		1A1A1MP54
X1-H		HOUSING,AUTOMATIC EXPOSURE CONTROL 1214-24 (72314)		EA	1									3-3	1A1A1MP55
P-H	6760-111-6788	LENS,MIRROR 780-33 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP56
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	1				•	•	•	•	•	3-4	1A1A1H39
P-H	6760-074-3235	LENS,OPTICAL INSTRUMENT 780-122 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP57
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	4	•	•	•	•	•	•	•	•	3-3	1A1A1H40
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H41
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H42
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H43
P-H	6720-111-6784	LINK,DIAPHRAGM 1214-56 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP58
P-H	5315-948-4420	PIN,STRAIGHT,HEADLESS F79-3-8 (72314)		EA	2				•	•	•	•	•	3-3	1A1A1MP59
P-H	5315-948-4420	PIN,STRAIGHT,HEADLESS F79-3-8 (72314)		EA	REF				•	•	•	•	•	3-3	1A1A1MP60
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	2				•	•	•	•	•	3-3	1A1A1MP61
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1MP62
P-H	5315-168-7077	PIN,STRAIGHT,HEADLESS 1214-51 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP63
P-H	6720-106-7878	PIVOT,PLATE ASSEMBLY 1214B18 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP64
M-D		PLATE 1214-349 (72314)		EA	1									3-3	1A1A1MP65
P-H	6720-112-8779	PLATE,FOCAL PLANE 1214-37 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP66
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	4	•	•	•	•	•	•	•	•	3-3	1A1A1H44
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H45
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H46
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-3	1A1A1H47
X2-H		PLATE,NUT 1214-58 (72314)		EA	1									3-3	1A1A1MP67
P-H	5905-076-4292	RESISTOR,VARIABLE 1793-2 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1R1
P-H	5340-804-6895	RING,RETAINING MS16624-1012 (96906)		EA	5				•	•	•	•	•	3-3	1A1A1MP68
P-H	5340-804-6895	RING,RETAINING MS16624-1012 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1MP69
P-H	5340-804-6895	RING,RETAINING MS16624-1012 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1MP70

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1MP71
P-H	5340-804-6895	RING, RETAINING MS16624-1012 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1MP72
P-H	5340-804-6896	RING, RETAINING MS16624-1015 (96906)		EA	1				•	•	•	•	•	3-3	1A1A1MP73
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)		EA	4				•	•	•	•	•	3-4	1A1A1MP74
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)		EA	REF				•	•	•	•	•	3-4	1A1A1MP75
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)		EA	REF				•	•	•	•	•	3-4	1A1A1MP76
P-H	5340-721-8187	RING, RETAINING MS16624-1018 (96906)		EA	REF				•	•	•	•	•	3-4	1A1A1MP77
P-H	5340-543-3981	RING, RETAINING MS16633-4009 (96906)		EA	1				•	•	•	•	•		1A1A1MP78
P-H	5305-820-6895	SETSCREW AN565AC2H4 (88044)		EA	1				•	•	•	•	•	3-3	1A1A1MP79
P-H	5305-297-4005	SETSCREW AN565DC4H3 (88044)		EA	2				•	•	•	•	•	3-3	1A1A1MP80
P-H	5305-297-4005	SETSCREW AN565DC4H3 (88044)		EA	REF				•	•	•	•	•	3-3	1A1A1MP81
P-H	5305-616-8539	SETSCREW AN565EC4H3 (88044)		EA	1				•	•	•	•	•	3-3	1A1A1MP82
P-H		SCREW, MACHINE LL57J40P4E (16941)		EA	1				•	•	•	•	•	3-3	1A1A1MP83
P-H	6720-106-7879	SHAFT ASSEMBLY 1214820 (72314)		EA	1				•	•	•	•	•		1A1A1MP84
X1-H		ACTUATOR 1214-49 (72314)		EA	1									3-3	1A1A1MP85
X2-H	5315-579-1543	PIN, SPRING F137-1-4LV (72314)		EA	1									3-3	1A1A1MP86
X1-H		SHAFT, STRAIGHT 1214-48 (72314)		EA	1									3-3	1A1A1MP87
P-H	3040-419-9031	SHAFT, BUSHING 1214-28 (96881)		EA	1				•	•	•	•	•	3-3	1A1A1MP88
P-H	3040-493-8678	SHAFT, STRAIGHT PSP87182000 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP89
M-D		SHAFT, STRAIGHT 1214-351 (72314)		EA	1									3-3	1A1A1MP90
P-H	6720-112-8765	SHIM, SET 1193-718-5 (72314)		ST	1				•	•	•	•	•		1A1A1MP91
X1-H		SHIM 1193-718-1 (72314)		EA	1									3-3	1A1A1MP92
X1-H		SHIM 1193-718-2 (72314)		EA	1									3-3	1A1A1MP93
X1-H		SHIM 1193-718-3 (72314)		EA	1									3-3	1A1A1MP94
X1-H		SHIM 1193-718-4 (72314)		EA	1									3-3	1A1A1MP95
P-H	6720-112-8764	SHIM, SET 1193-720-4 (72314)		ST	1				•	•	•	•	•		1A1A1MP96
X1-H		SHIM 1193-720-1 (72314)		EA	1									3-3	1A1A1MP97
X1-H		SHIM 1193-720-2 (72314)		EA	1									3-3	1A1A1MP98
X1-H		SHIM 1193-720-3 (72314)		EA	1									3-3	1A1A1MP99
P-H	5365-168-7041	SHIM 1214-273 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP100
P-H	6720-112-8761	SHIM, SET 1214-62-5 (72314)		ST	1				•	•	•	•	•		1A1A1MP101

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X1-H		SHIM 1214-62-1 (72314)		EA	1									3-3	1A1A1MP102
X1-H		SHIM 1214-62-2 (72314)		EA	1									3-3	1A1A1MP103
X1-H		SHIM 1214-62-3 (72314)		EA	1									3-3	1A1A1MP104
X1-H		SHIM 1214-62-4 (72314)		EA	1									3-3	1A1A1MP105
P-H	6720-112-8759	SHIM,SET 1214-63-5 (72314)		ST	1				•	•	•	•	•		1A1A1MP106
X1-H		SHIM 1214-63-1 (72314)		EA	1									3-3	1A1A1MP107
X1-H		SHIM 1214-63-2 (72314)		EA	1									3-3	1A1A1MP108
X1-H		SHIM 1214-63-3 (72314)		EA	1									3-3	1A1A1MP109
X1-H		SHIM 1214-63-4 (72314)		EA	1									3-3	1A1A1MP110
P-H	5365-168-7045	SPACER,SLEEVE S250SP048F437 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP111
P-H	5360-168-7081	SPRING,HELICAL,COMPRESSION 1214-171 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP112
P-H	5360-168-7153	SPRING,HELICAL,COMPRESSION 1214-354 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP113
P-H		SPRING,HELICAL,COMPRESSION 1214-295 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP114
P-H	5360-168-7085	SPRING,HELICAL,TORSION 1214-272 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP115
P-H	5360-168-7078	SPRING,HELICAL,TORSION 1214-55 (72314)		EA	1				•	•	•	•	•		1A1A1MP116
P-H	6760-071-9361	SPRING,HELICAL,TORSION 1193-716 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP117
M-D		SPRING,STRAIGHT 1214-350 (72314)		EA	1									3-3	1A1A1MP118
X2-H		STOP,CAM 1214-118 (72314)		EA	1									3-3	1A1A1MP119
P-H	6720-107-1292	SUPPORT,MOTOR 1214-61 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP120
P-H	5310-982-4999	NUT,SELF-LOCKING,HEXAGON MS21044C04 (96906)		EA	2				•	•	•	•	•	3-3	1A1A1H48
P-H	5310-982-4999	NUT,SELF-LOCKING,HEXAGON MS21044C04 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H49
P-H	5305-054-5650	SCREW,MACHINE MS51957-16 (96906)		EA	2				•	•	•	•	•	3-3	1A1A1H50
P-H	5305-054-5650	SCREW,MACHINE MS51957-16 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H51
P-H	5930-646-4619	SWITCH,SENSITIVE MS25085-1 (96906)		EA	1				•	•	•	•	•	3-3	1A1A1S1
P-H	5305-725-4191	SCREW,MACHINE MS51959-7 (96906)		EA	2				•	•	•	•	•		1A1A1H52
P-H	5305-725-4191	SCREW,MACHINE MS51959-7 (96906)		EA	REF				•	•	•	•	•		1A1A1H53
P-H	6720-106-7876	TRUNNION,BLADE 1214-64 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP121
P-H	6720-107-1291	TRUNNION,LINK 1214-65 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1MP122
P-H	5305-770-2533	SCREW,MACHINE MS51959-13 (96906)		EA	6				•	•	•	•	•	3-3	1A1A1H54
P-H	5305-770-2533	SCREW,MACHINE MS51959-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H55
P-H	5305-770-2533	SCREW,MACHINE MS51959-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H56

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-770-2533	SCREW,MACHINE MS51959-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H57
P-H	5305-770-2533	SCREW,MACHINE MS51959-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H58
P-H	5305-770-2533	SCREW,MACHINE MS51959-13 (96906)		EA	REF				•	•	•	•	•	3-3	1A1A1H59
M-D		WASHER,FLAT S125SP031F250 (72314)		EA	1									3-3	1A1A1MP123
P-H	6720-112-8774	WIRING HARNESS 1214838 (72314)		EA	1				•	•	•	•	•	3-3	1A1A1W1
X2-H		BLOCK,CONNECTOR MS18175 (96906)		EA	1									6-38	1A1A1W1P1
X2-H		BLOCK,CONNECTOR MS18176 (96906)		EA	1									6-38	1A1A1W1P3
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	10				•	•	•	•	•	6-38	1A1A1W1E1
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E2
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E3
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E4
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E5
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E6
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E7
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E8
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E9
P-H	5935-052-2300	CONTACT,ELECTRICAL MS17803-16-20 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E10
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	10										1A1A1W1E11
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E12
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E13
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E14
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E15
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E16
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E17
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E18
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E19
X2-H		CONTACT,ELECTRICAL MS18232 (96906)		EA	REF										1A1A1W1E20
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	10				•	•	•	•	•		1A1A1W1E21
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E22
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E23
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1A1W1E24

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE · USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQ HP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5999-239-3350	CONTACT,ELECTRICAL MS16233 (96906)	EA	REF				•	•	•	•	•		1A1A1W1E25
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				•	•	•	•	•		1A1A1W1E26
P-H	5999-239-3350	CONTACT,ELECTRICAL MS16233 (96906)	EA	REF				•	•	•	•	•		1A1A1W1E27
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				•	•	•	•	•		1A1A1W1E28
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				•	•	•	•	•		1A1A1W1E29
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				•	•	•	•	•		1A1A1W1E30
X2-H		JACKSCREW MS18195-1 (96906)	EA	2										1A1A1W1H60
X2-H		JACKSCREW MS18195-1 (96906)	EA	REF										1A1A1W1H61
X2-H		JACKSCREW MS18195-2 (96906)	EA	2										1A1A1W1H62
X2-H		JACKSCREW MS18195-2 (96906)	EA	REF										1A1A1W1H63
P-H	5940-143-5440	TERMINAL,LUG N823 (59730)	EA	1				•	•	•	•	•		1A1A1W1E31
P-O	3030-126-8928	BELT,POSITIVE DRIVE 30102X1-4XT4N10 (61463)	EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP124
P-O	3030-126-8929	BELT,POSITIVE DRIVE 30105X1-4XT4N10 (61463)	EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP125
M-D		BLOCK 1214-327 (72314)	EA	1									3-4	1A1MP126
X2-H		BRACKET,ANGLE 1214-149 (72314)	EA	1									3-4	1A1MP127
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	4				•	•	•	•	•		1A1H64
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF				•	•	•	•	•		1A1H65
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF				•	•	•	•	•		1A1H66
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)	EA	REF				•	•	•	•	•		1A1H67
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	4	•	•	•	•	•	•	•	•	3-4	1A1H68
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H69
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H70
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H71
X2-H		BRACKET,SWITCH 1214-180 (72314)	EA	1									3-4	1A1MP128
P-H	3110-682-4598	BEARING,BALL,ANNULAR AVPS1KDD7 (21335)	EA	1				•	•	•	•	•	3-4	1A1MP129
P-H		BEARING,BALL,ANNULAR SFR1445KPPK25 (83086)	EA	2				•	•	•	•	•	3-4	1A1MP130
P-H		BEARING,BALL,ANNULAR SFR1445KPPK25 (83086)	EA	REF				•	•	•	•	•	3-4	1A1MP131
P-H		BEARING,BALL,ANNULAR SFR1563PPK25 (83086)	EA	4				•	•	•	•	•	3-4	1A1MP132
P-H		BEARING,BALL,ANNULAR SFR1563PPK25 (83086)	EA	REF				•	•	•	•	•	3-4	1A1MP133
P-H		BEARING,BALL,ANNULAR SFR1563PPK25 (83086)	EA	REF				•	•	•	•	•	3-4	1A1MP134
P-H		BEARING,BALL,ANNULAR SFR1563PPK25 (83086)	EA	REF				•	•	•	•	•	3-4	1A1MP135

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	10				•	•	•	•	•	3-6	1A1MP136
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP137
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP138
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP139
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP140
P-H		BEARING,BALL,ANNULAR SFR1883MMK26 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP141
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP142
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP143
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP144
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP145
P-H	3110-278-7333	BEARING,BALL,ANNULAR SFR1885PPK25 (83086)		EA	1				•	•	•	•	•	3-6	1A1MP146
P-H	3110-939-9154	BEARING,BALL,ANNULAR SFR35PPK25 (83086)		EA	1				•	•	•	•	•	3-6	1A1MP147
P-H	3110-787-8902	BEARING,BALL,ANNULAR SFR65PPDK25 (83086)		EA	2				•	•	•	•	•	3-6	1A1MP148
P-H	3110-787-8902	BEARING,BALL,ANNULAR SFR65PPDK25 (83086)		EA	REF				•	•	•	•	•	3-6	1A1MP149
P-H-R	6720-107-1293	CAM,PUCK ASSEMBLY 121486 (72314)		EA	1				•	•	•	•	•	3-6	1A1MP150
X2-H		ADAPTER 1214-201 (72314)		EA	1									3-6	1A1MP151
X2-H		BEARING,BALL,ANNULAR SFR63PPDK25 (83086)		EA	2									3-6	1A1MP152
X2-H		BEARING,BALL,ANNULAR SFR63PPDK25 (83086)		EA	REF									3-6	1A1MP153
P-H	3110-787-8902	BEARING,BALL,ANNULAR SFR65PPDK25 (83086)		EA	1				•	•	•	•	•	3-6	1A1MP154
P-H	6720-106-7874	CAM,GEAR ASSEMBLY 121487 (72314)		EA	1				•	•	•	•	•		1A1MP155
X1-H		CAM,CONTROL 1214-191 (72314)		EA	1									3-6	1A1MP156
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	3	•	•	•	•	•	•	•	•		1A1H72
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A1H73
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A1H74
X1-H		CAM,CONTROL 1214-213 (72314)		EA	1									3-6	1A1MP157
X1-H		GEAR,SPUR 1214-84 (72314)		EA	1									3-6	1A1MP158
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	2				•	•	•	•	•		1A1MP159
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	REF				•	•	•	•	•		1A1MP160
X2-H	5315-682-1726	PIN,STRAIGHT,HEADLESS MS16555-617 (96906)		EA	1									3-6	1A1MP161
P-H	3020-480-7375	GEAR,HELICAL 1214-86 (72314)		EA	1				•	•	•	•	•	3-6	1A1MP162
P-H	5315-821-9522	PIN,GROOVED,HEADLESS MS35672-22 (96906)		EA	2				•	•	•	•	•	3-6	1A1MP163

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5315-821-9522	PIN, GROOVED, HEADLESS MS35672-22 (96906)		EA	REF				•	•	•	•	•	3-4	1A1MP164
P-H	5315-182-6235	PIN TAPERED PLAIN F114-30-16 (72314)		EA	1				•	•	•	•	•		1A1MP165
P-H	3040-459-3087	SHAFT, STRAIGHT 1214-100 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP166
P-H	6720-824-2919	SHIM 1193-717-3 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP167
P-H	5365-168-7046	SPACER, SLEEVE 1193-717-4 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP168
P-F	5340-014-0014	CAP, DUST NAS820-22A (80205)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP169
P-F	5935-789-6069	CAP, DUST NAS820-24A (80205)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP170
P-F-S	6760-116-0672	CIRCUIT CARD ASSEMBLY 1214B41 (72314)		EA	1	•	•	•	•	•	•	•	•	3-7	1A1A4
X2-H		PRINTED WIRING BOARD 1214-320 (72314)		EA	1										1A1A4MP171
P-H	5905-810-1003	RESISTOR, FIXED, FILM RN60C7322F (81349)		EA	1				•	•	•	•	•	6-30	1A1A4R2
P-H	5905-836-2859	RESISTOR, FIXED, FILM RN60C9761F (81349)		EA	1				•	•	•	•	•	6-30	1A1A4R3
P-H	5905-946-7562	RESISTOR, VARIABLE RT22C2P203 (81349)		EA	1				•	•	•	•	•	6-30	1A1A4R1
P-H	5940-113-9828	TERMINAL, LUG MS25036-48 (96906)		EA	2				•	•	•	•	•		1A1A4E1
P-H	5940-113-9828	TERMINAL, LUG MS25036-48 (96906)		EA	REF				•	•	•	•	•		1A1A4E2
P-H	5340-168-7034	CLAMP, GEAR CG115 (23266)		EA	1				•	•	•	•	•	3-7	1A1MP172
P-H	5340-766-6818	CLAMP, LOOP NAS1397R2B (80205)		EA	3				•	•	•	•	•	3-4	1A1MP173
P-H	5340-766-6818	CLAMP, LOOP NAS1397R2B (80205)		EA	REF				•	•	•	•	•	3-4	1A1MP174
P-H	5340-766-6818	CLAMP, LOOP NAS1397R2B (80205)		EA	REF				•	•	•	•	•	3-4	1A1MP175
P-H	5310-982-5000	NUT, SELF-LOCKING, HEXAGON MS21045C04 (96906)		EA	2				•	•	•	•	•	3-4	1A1H75
P-H	5310-982-5000	NUT, SELF-LOCKING, HEXAGON MS21045C04 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H76
P-H	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)		EA	1				•	•	•	•	•		1A1H77
P-H	5305-768-0336	SCREW, MACHINE MS51959-17 (96906)		EA	2				•	•	•	•	•		1A1H78
P-H	5305-768-0336	SCREW, MACHINE MS51959-17 (96906)		EA	REF				•	•	•	•	•		1A1H79
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)		EA	3	•	•	•	•	•	•	•	•		1A1H80
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)		EA	REF	•	•	•	•	•	•	•	•		1A1H81
P-F	5310-672-2178	WASHER, SADDLE D4-128 (95987)		EA	REF	•	•	•	•	•	•	•	•		1A1H82
X2-H		COVER, ACCESS 1214-193 (72314)		EA	REF									3-4	1A1MP176
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)		EA	8				•	•	•	•	•	3-4	1A1H83
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H84
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H85
P-H	5305-054-6650	SCREW, MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H86

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H87
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H88
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H89
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H90
X2-H		COVER,ACCESS 1214-195 (72314)		EA	1									3-4	1A1MP177
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	4				•	•	•	•	•	3-4	1A1H91
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H92
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H93
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H94
P-O	6720-068-2195	COVER,ASSEMBLY,TRANSIT 1193887 (72314)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP178
X2-H	5340-122-6760	CATCH,LUGGAGE 1193-700-1 (72314)		EA	2									3-4	1A1MP179
X2-H	5340-122-6760	CATCH,LUGGAGE 1193-700-1 (72314)		EA	REF									3-4	1A1MP180
X2-H	5320-855-1316	RIVET,TUBULAR MS16535-158 (96906)		EA	4									3-4	1A1H95
X2-H	5320-855-1316	RIVET,TUBULAR MS16535-158 (96906)		EA	REF									3-4	1A1H96
X2-H	5320-855-1316	RIVET,TUBULAR MS16535-158 (96906)		EA	REF									3-4	1A1H97
X2-H	5320-855-1316	RIVET,TUBULAR MS16535-158 (96906)		EA	REF									3-4	1A1H98
X1-H		COVER,BODY,TRANSIT 1193-759 (72314)		EA	1									3-4	1A1MP181
X2-H	6105-168-3693	GASKET 1193-145-2 (72314)		EA	1									3-4	1A1MP182
P-F	6720-112-8772	COVER,DUST 1214-192 (72314)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP183
P-F	5305-054-6649	SCREW,MACHINE MS51957-25 (96906)		EA	4	•	•	•	•	•	•	•	•	3-4	1A1H99
P-F	5305-054-6649	SCREW,MACHINE MS51957-25 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H100
P-F	5305-054-6649	SCREW,MACHINE MS51957-25 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H101
P-F	5305-054-6649	SCREW,MACHINE MS51957-25 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H102
X2-H		COVER,GASKET ASSEMBLY 1214840 (72314)		EA	1										1A1MP184
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	24	•	•	•	•	•	•	•	•	3-4	1A1H103
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H104
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H105
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H106
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H107
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H108
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H109

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO OR REFERENCE DESIGNATION
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H110
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H111
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H112
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H113
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H114
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H115
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H116
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H117
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H118
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H119
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H120
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H121
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H122
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H123
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H124
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H125
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H126
X1-H		COVER 1214-255 (72314)		EA	1									3-4	1A1MP185
X2-H		SHIELDING,GASKET,ELECTRONIC 1214-173 (72314)		EA	2									3-4	1A1MP186
X2-H		SHIELDING,GASKET,ELECTRONIC 1214-173 (72314)		EA	REF									3-4	1A1MP187
P-O	5999-112-8769	SHIELDING,GASKET,ELECTRONIC 1214-38 (72314)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1MP188
P-O	6720-106-7871	FLANGE,PULLEY 1193-56 (72314)		EA	2	•	•	•	•	•	•	•	•	3-4	1A1MP189
P-O	6720-106-7871	FLANGE,PULLEY 1193-56 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1MP190
P-O	5305-766-2422	SCREW,MACHINE MS51959-1 (96906)		EA	4	•	•	•	•	•	•	•	•	3-4	1A1H127
P-O	5305-766-2422	SCREW,MACHINE MS51959-1 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H128
P-O	5305-766-2422	SCREW,MACHINE MS51959-1 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H129
P-O	5305-766-2422	SCREW,MACHINE MS51959-1 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1H130
A-H		GEAR ASSEMBLY 1214B23 (72314)		EA	1										1A1MP191
P-H	3020-463-3624	GEAR,CLUSTER 1214B12 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP192
P-H	3020-471-3122	GEAR,SPUR 1214-81 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP193
P-H	5315-273-8016	PIN,GROOVED,HEADLESS MS35672-17 (96906)		EA	1				•	•	•	•	•	3-4	1A1MP194

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5315-597-2428	PIN,TAPERED,PLAIN P114-50-6 (72314)		EA	1				●	●	●	●	●	3-4	1A1MP195
P-H	3040-491-3195	SHAFT,STRAIGHT PSP2497A1750 (72314)		EA	1				●	●	●	●	●	3-4	1A1MP196
P-H	3020-480-1155	GEAR,CLUSTER 1214B11 (72314)		EA	1				●	●	●	●	●	3-7	1A1MP197
P-H	3020-238-5277	GEAR,SPUR 1214-76 (72314)		EA	1				●	●	●	●	●	3-7	1A1MP198
P-H	6680-113-5684	GENERATOR,TACHOMETER 1214-93 (72314)		EA	1				●	●	●	●	●	3-7	1A1G1
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	7				●	●	●	●	●	3-7	1A1H131
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H132
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H133
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H134
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H135
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H136
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H137
P-H	5305-410-2303	SCREW,MACHINE NAS1635-01-3 (80205)		EA	2				●	●	●	●	●	3-7	1A1H138
P-H	5305-410-2903	SCREW,MACHINE NAS1635-01-3 (80205)		EA	REF				●	●	●	●	●	3-7	1A1H139
P-H	5310-804-0141	WASHER,FLAT MS15795-801 (96906)		EA	2				●	●	●	●	●	3-7	1A1H140
P-H	5310-804-0141	WASHER,FLAT MS15795-801 (96906)		EA	REF				●	●	●	●	●	3-7	1A1H141
P-H	5325-641-2792	GROMMET,RUBBER MS35490-48 (96906)		EA	1				●	●	●	●	●	3-4	1A1MP199
X2-H		GUIDE,HARNESS 1214-205 (72314)		EA	1									3-7	1A1MP200
X2-H		HOUSING ASSEMBLY 1214B4 (72314)		EA	1										1A1MP201
X2-H		BRACKET,PRISM 1214-35 (72314)		EA	1									3-4	1A1MP202
X2-H	5305-059-3659	SCREW,MACHINE MS51958-63 (96906)		EA	6									3-4	1A1H142
X2-H	5305-059-3659	SCREW,MACHINE MS51958-63 (96906)		EA	REF									3-4	1A1H143
X2-H	5305-059-3659	SCREW,MACHINE MS51958-63 (96906)		EA	REF									3-4	1A1H144
X2-H	5305-059-3659	SCREW,MACHINE MS51958-63 (96906)		EA	REF									3-4	1A1H145
X2-H	5305-059-3659	SCREW,MACHINE MS51958-63 (96906)		EA	REF									3-4	1A1H146
X2-H	5305-059-3659	SCREW,MACHINE MS51958-63 (96906)		EA	REF									3-4	1A1H147
X2-H	5305-059-3662	SCREW,MACHINE MS51958-66 (96906)		EA	2									3-7	1A1H148
X2-H	5305-059-3662	SCREW,MACHINE MS51958-66 (96906)		EA	REF									3-7	1A1H149
X2-H		SCREW,MACHINE 1214-216 (72314)		EA	1									3-4	1A1H150
X2-H		COVER 1214-362 (72314)		EA	1									3-4	1A1MP203
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	2				●	●	●	●	●		1A1H151

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•		1A1H152
X1-H		HOUSING,BODY 1214-22 (72314)		EA	1									3-4	1A1MP204
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	6										1A1MP205
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	REF										1A1MP206
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	REF										1A1MP207
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	REF										1A1MP208
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	REF										1A1MP209
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	REF										1A1MP210
X2-H		PLATE,MOTOR 1214-31 (72314)		EA	1									3-7	1A1MP211
X2-H		SUPPORT,BEARING 1214-30 (72314)		EA	1									3-7	1A1MP212
P-H	6720-107-1298	LEVER ASSEMBLY 1214B32 (72314)		EA	1				•	•	•	•	•	3-6	1A1MP213
P-H-R	6105-168-3693	MOTOR,GEAR ASSEMBLY 1214B15 (72314)		EA	1				•	•	•	•	•	3-4	1A1A3
P-H	5305-054-6670	SCREW,MACHINE MS51957-45 (96906)		EA	3				•	•	•	•	•	3-7	1A1H153
P-H	5305-054-6670	SCREW,MACHINE MS51957-45 (96906)		EA	REF				•	•	•	•	•	3-7	1A1H154
P-H	5305-054-6670	SCREW,MACHINE MS51957-45 (96906)		EA	REF				•	•	•	•	•	3-7	1A1H155
X1-H		GEAR,CLUSTER 1214B10 (72314)		EA	1									3-7	1A1A3MP214
X1-H		GEAR,BLANK 1214-73 (72314)		EA	1										1A1A3MP215
X1-H		GEAR,HELICAL 1214-74 (72314)		EA	1										1A1A3MP216
X1-H		MOTOR, DIRECT CURRENT 808GG1 (72314)		EA	1									3-7	1A1A3B1
X1-H		ARMATURE ASSEMBLY 808GG19 (72314)		EA	1									4-14	1A1A3B1MP217
X1-H		COMMUTATOR,ARMATURE 808W16 (72314)		EA	1										1A1A3B1MP218
X1-H		CORESTACK ASSEMBLY 808GG15 (72314)		EA	1										1A1A3B1MP219
X1-H		INSULATOR,ARMATURE A597-34 (72314)		EA	1										1A1A3B1MP220
X1-H		INSULATOR,ARMATURE A597-36 (72314)		EA	2										1A1A3B1MP221
X1-H		INSULATOR,ARMATURE A597-36 (72314)		EA	REF										1A1A3B1MP222
X1-H		WEDGE,SLOT 808-13 (72314)		EA	9										1A1A3B1MP223
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP224
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP225
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP226
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP227
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP228

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP229
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF										1A1A3B1MP230
X1-H		WEDGE,SLOT 808-13 (72314)		EA	REF									4-14	1A1A3B1MP231
X2-H	3110-516-5267	BEARING,BALL,ANNULAR SR43MM (83086)		EA	2									4-14	1A1A3B1MP232
X2-H	3110-516-5267	BEARING,BALL,ANNULAR SR43MM (83086)		EA	REF									4-14	1A1A3B1MP233
P-H	5977-285-0051	BRUSH,ELECTRICAL,CONTACT 808K14 (72314)		EA	2				•	•	•	•	•	4-14	1A1A3B1MP234
P-H	5977-285-0051	BRUSH,ELECTRICAL,CONTACT 808K14 (72314)		EA	REF				•	•	•	•	•	4-14	1A1A3B1MP235
P-H	6105-549-8044	CAP,ELECTRICAL 808-36 (72314)		EA	2				•	•	•	•	•	4-14	1A1A3B1MP236
P-H	6105-549-8044	CAP,ELECTRICAL 808-36 (72314)		EA	REF				•	•	•	•	•	4-14	1A1A3B1MP237
X1-H		END BELL 808-148 (72314)		EA	1									4-14	1A1A3B1MP238
X2-H		SCREW,MACHINE A532-401-4 (72314)		EA	2									4-14	1A1A3B1H156
X2-H		SCREW,MACHINE A532-401-4 (72314)		EA	REF									4-14	1A1A3B1H157
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)		EA	2	•	•	•	•	•	•	•	•	4-14	1A1A3B1H158
P-O	5310-929-6395	WASHER,LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	4-14	1A1A3B1H159
X1-H		END BELL ASSEMBLY 808GG2 (72314)		EA	1									4-14	1A1A3B1MP239
X2-H	5910-111-1708	CAPACITOR,FIXED,CERAMIC CKR06BX472KM (81349)		EA	1										1A1A3B1C1
X1-H		END BELL 808-150 (72314)		EA	1									4-14	1A1A3B1MP240
X2-H	5977-071-5374	HOLDER ASSEMBLY 808W13 (72314)		EA	2										1A1A3B1MP241
X2-H	5977-071-5374	HOLDER ASSEMBLY 808W13 (72314)		EA	REF										1A1A3B1MP242
X1-H		HOLDER ASSEMBLY 808W10 (72314)		EA	2										1A1A3B1MP243
X1-H		HOLDER ASSEMBLY 808W10 (72314)		EA	REF										1A1A3B1MP244
X1-H		HOLDER,BRUSH 808-128 (72314)		EA	2									4-14	1A1A3B1MP245
X1-H		HOLDER,BRUSH 808-128 (72314)		EA	REF									4-14	1A1A3B1MP246
X2-H	5940-534-8131	TERMINAL,LUG 532-557 (72314)		EA	2										1A1A3B1E1
X2-H	5940-534-8131	TERMINAL,LUG 532-557 (72314)		EA	REF									4-14	1A1A3B1E2
X1-H		JACKET,BRUSH 808-19 (72314)		EA	2									4-14	1A1A3B1MP247
X1-H		JACKET,BRUSH 808-19 (72314)		EA	REF									4-14	1A1A3B1MP248
X2-H	5905-279-1723	RESISTOR,FIXED,COMPOSITION RC32GF222J (81349)		EA	1										1A1A3B1R1
X1-H		SETSCREW C59 (00141)		EA	2									4-14	1A1A3B1H160
X1-H		SETSCREW C59 (00141)		EA	REF									4-14	1A1A3B1H161
X2-H	5940-958-6213	TERMINAL,FEEDTHRU,INSULATED FT029A01 (81349)		EA	2										1A1A3B1E3

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-H	5940-958-6213	TERMINAL,FEEDTHRU,INSULATED FT029A01 (81349)		EA	REF									4-14	1A1A3B1E4
X2-H	5940-032-5763	TERMINAL,LUG 12054 (71785)		EA	1									4-14	1A1A3B1E5
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	1				•	•	•	•	•		1A1A3B1H162
X2-H	6720-463-7461	HOUSING ASSEMBLY 808W8 (72314)		EA	1									4-14	1A1A3B1MP249
	6760-658-7994	INSULATOR,DISK 808-56 (72314)		EA	2									4-14	1A1A3B1MP250
X2-H	6760-658-7994	INSULATOR,DISK 808-56 (72314)		EA	REF									4-14	1A1A3B1MP251
P-H	6105-549-8043	RETAINER,BRUSH 808-44 (72314)		EA	2				•	•	•	•	•	4-14	1A1A3B1MP252
P-H	6105-549-8043	RETAINER,BRUSH 808-44 (72314)		EA					•	•	•	•	•	4-14	1A1A3B1MP253
X1-H		SHIELD,BEARING,ARMATURE 808-154 (72314)		EA	1									4-14	1A1A3B1MP254
X2-H	6760-285-7644	SHIM 532-708 (72314)		EA	1									4-14	1A1A3B1MP255
X2-H	5310-576-7339	WASHER,SPRING,TENSION R4 (92830)		EA	1									4-14	1A1A3B1MP256
X2-H	5310-298-3660	PIN,TAPERED,PLAIN F114-50-10 (72314)		EA	1									3-7	1A1A3MP257
P-H	5310-062-0912	NUT,PLAIN,HEXAGON MS35649-64 (96906)		EA	1				•	•	•	•	•		1A1H163
P-H	6720-109-4499	NUT,PLATE 1214-175 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP258
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	8				•	•	•	•	•	3-4	1A1H164
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H165
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H166
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H167
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H168
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H169
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H170
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H171
P-H	5310-270-8810	NUT,PLAIN,HEXAGON MS35650-104 (96906)		EA	4				•	•	•	•	•	3-4	1A1H172
P-H	5310-270-8810	NUT,PLAIN,HEXAGON MS35650-104 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H173
P-H	5310-270-8810	NUT,PLAIN,HEXAGON MS35650-104 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H174
P-H	5310-270-8810	NUT,PLAIN,HEXAGON MS35650-104 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H175
P-O	5961-492-2522	PHOTOCELL ASSEMBLY 1214B28 (72314)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1A2
P-H	5315-847-5677	PIN,STRAIGHT,HEADLESS MS16555-626 (96906)		EA	1				•	•	•	•	•	3-4	1A1MP259
X2-H	5315-988-7409	PIN,STRAIGHT,HEADLESS MS16555-634 (96906)		EA	1										1A1MP260
X2-H		PIN,STRAIGHT,HEADLESS PSP5009A1625 (72314)		EA	2										1A1MP261
X2-H		PIN,STRAIGHT,HEADLESS PSP5009A1625 (72314)		EA	REF										1A1MP262

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE / USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-H		PIN,STRAIGHT,HEADLESS PSP5009A1938 (72314)	EA	1									3-4	1A1MP263
X2-H		PIN,STRAIGHT,HEADLESS 1214-206 (72314)	EA	1									3-4	1A1MP264
X2-H		PLATE,COVER 1214-174 (72314)	EA	1									3-4	1A1MP265
M-D		PLATE,IDENTIFICATION 1214-217-1 (72314)	EA	1									3-4	1A1MP266
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	10				•	•	•	•	•	3-4	1A1H176
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H177
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H178
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H179
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H180
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H181
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H182
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H183
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H184
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)	EA	REF				•	•	•	•	•	3-4	1A1H185
P-O	6720-106-7875	PRISM COVER ASSEMBLY 1214B39 (72314)	EA	1	•	•	•	•	•	•	•	•		1A1MP267
X1-H		COVER,PRISM 1214-214 (72314)	EA	1									3-4	1A1MP268
X2-H		GASKET 1193-131 (72314)	EA	2									3-4	1A1MP269
X2-H		GASKET 1193-131 (72314)	EA	REF									3-4	1A1MP270
X2-H		GASKET 1193-658-2 (72314)	EA	1									3-4	1A1MP271
X2-H		SCREW,EXTERNALLY RELIEVED BODY 1193-130 (72314)	EA	3									3-4	1A1MP272
X2-H		SCREW,EXTERNALLY RELIEVED BODY 1193-130 (72314)	EA	REF									3-4	1A1MP273
X2-H		SCREW,EXTERNALLY RELIEVED BODY 1193-130 (72314)	EA	REF									3-4	1A1MP274
P-H-T	6720-106-7873	PRISM,GEAR ASSEMBLY 1214B14 (72314)	EA	1				•	•	•	•	•	3-4	1A1MP275
P-D	6720-153-0044	GEAR,SPROCKET ASSEMBLY 1214B13 (72314)	EA	1							•	•		1A1MP276
X1-D		GEAR,HELICAL 1214-82 (72314)	EA	1									3-4	1A1MP277
X2-H	5315-939-1146	PIN,STRAIGHT,HEADLESS MS16555-605 (96906)	EA	1										1A1MP278
X1-D		SPROCKET,WHEEL 1214-150-1 (72314)	EA	1										1A1MP279
P-D	5315-228-2822	PIN,TAPERED,PLAIN F114-50-11 (72314)	EA	1							•	•	3-4	1A1MP280
X1-D		PRISM,CAGE ASSEMBLY 1214B3 (72314)	EA	1										1A1MP281
X1-D		CAGE,PRISM 1214-20 (72314)	EA	1									3-4	1A1MP282
X1-D		HOLDER,PRISM 1193-14 (72314)	EA	8									3-4	1A1MP283

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO. OR REFERENCE DESIGNATION
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP284
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP285
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP286
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP287
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP288
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP289
X1-D		HOLDER, PRISM 1193-14 (72314)		EA	REF									3-4	1A1MP290
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	15				•	•	•	•	•		1A1H186
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H187
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H188
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H190
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H191
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H192
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H193
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H194
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H195
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H196
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H197
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H198
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H199
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H200
P-H	5305-763-6963	SCREW, MACHINE MS51959-28 (96906)		EA	REF				•	•	•	•	•		1A1H201
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	8									3-4	1A1MP291
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP292
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP293
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP294
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP295
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP296
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP297
X1-D		PAD, CUSHIONING 1165-113 (72314)		EA	REF									3-4	1A1MP298
X1-D		PRISM, OPTICAL, INSTRUMENT 1214-19 (72314)		EA	2									3-4	1A1MP299

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X1-D		PRISM,OPTICAL,INSTRUMENT 1214-19 (72314)		EA	REF									3-4	1A1MP300
X1-D		RING,BUMPER,ASSEMBLY 1076B28 (72314)		EA	4										1A1MP301
X1-D		RING,BUMPER,ASSEMBLY 1076B28 (72314)		EA	REF										1A1MP302
X1-D		RING,BUMPER,ASSEMBLY 1076B28 (72314)		EA	REF										1A1MP303
X1-D		RING,BUMPER,ASSEMBLY 1076B28 (72314)		EA	REF										1A1MP304
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)		EA	4									3-4	1A1MP305
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)		EA	REF									3-4	1A1MP306
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)		EA	REF									3-4	1A1MP307
X2-D	5340-914-7586	BUMPER,PLASTIC 1076-120 (72314)		EA	REF									3-4	1A1MP308
X2-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)		EA	4									3-4	1A1MP309
X2-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)		EA	REF									3-4	1A1MP310
X2-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)		EA	REF									3-4	1A1MP311
X2-D	6720-914-9492	RING,EXTERNALLY THREADED 1076-121 (72314)		EA	REF									3-4	1A1MP312
X1-D		SETSCREW AN565ECH4 (88044)		EA	8									3-4	1A1MP313
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP314
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP315
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP316
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP317
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP318
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP319
X1-D		SETSCREW AN565ECH4 (88044)		EA	REF									3-4	1A1MP320
X1-D		SPACER,PLATE 1093-4 (72314)		EA	8									3-4	1A1MP321
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP322
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP323
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP324
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP325
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP326
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP327
X1-D		SPACER,PLATE 1093-4 (72314)		EA	REF									3-4	1A1MP328
P-H	6720-112-8776	PUCK 1214-279 (72314)		EA	1				*	*	*	*	*	3-4	1A1MP329
P-H	5305-068-5407	SCREW,SHOULDER MS16996-16 (96906)		EA	2				*	*	*	*	*	3-4	1A1H202

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-068-5807	SCREW,SHOULDER MS16996-16 (96906)		EA	REF				•	•	•	•	•	3-4	1A1H203
P-H	5340-804-6895	RING,RETAINING MS16624-1012 (96906)		EA	1				•	•	•	•	•		1A1MP330
P-H	5340-721-8187	RING,RETAINING MS16624-1018 (96906)		EA	3				•	•	•	•	•		1A1MP331
P-H	5340-721-8187	RING,RETAINING MS16624-1018 (96906)		EA	REF				•	•	•	•	•		1A1MP332
P-H	5340-721-8187	RING,RETAINING MS16624-1018 (96906)		EA	REF				•	•	•	•	•		1A1MP333
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	3				•	•	•	•	•	3-4	1A1MP334
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	REF				•	•	•	•	•	3-4	1A1MP335
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	REF				•	•	•	•	•	3-4	1A1MP336
P-H	5340-282-7120	RING,RETAINING MS16624-4037 (96906)		EA	1				•	•	•	•	•	3-4	1A1MP337
P-H	5340-080-9091	RING,RETAINING MS16626-4087 (96906)		EA	1				•	•	•	•	•	3-4	1A1MP338
M-D		SCREW,SHOULDER 1214-347 (72314)		EA	4									3-4	1A1H204
M-D		SCREW,SHOULDER 1214-347 (72314)		EA	REF									3-4	1A1H205
M-D		SCREW,SHOULDER 1214-347 (72314)		EA	REF									3-4	1A1H206
M-D		SCREW,SHOULDER 1214-347 (72314)		EA	REF									3-4	1A1H207
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N1614 (81349)		EA	1	•	•	•	•	•	•	•	•	3-7	1A1CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	1				•	•	•	•	•		1A1CR1
P-H	5305-820-6895	SETSCREW AN565AC2H4 (88044)		EA	2				•	•	•	•	•	3-4	1A1MP339
P-H	5305-820-6895	SETSCREW AN565AC2H4 (88044)		EA	REF				•	•	•	•	•	3-4	1A1MP340
P-H	5305-989-5016	SETSCREW AN565FC6H12 (88044)		EA	1				•	•	•	•	•		1A1MP341
P-H-S	6720-106-7872	SHAFT,COUPLING ASSEMBLY 1214B30 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP342
X2-H		BRAKE,DRAG 1214-126 (72314)		EA	1									3-4	1A1MP343
P-H		BEARING,BALL,ANNULAR SFR1563PPK25 (83086)		EA	2				•	•	•	•	•	3-4	1A1MP344
P-H		BEARING,BALL,ANNULAR SFR1563PPK25 (83086)		EA					•	•	•	•	•	3-4	1A1MP345
X1-H		CAM,CONTROL 1214-29 (72314)		EA	1									3-4	1A1MP346
X2-H		COUPLING ASSEMBLY 1214B2 (72314)		EA	1										1A1MP347
X1-H		COUPLING 1214-15 (72314)		EA	1									3-4	1A1MP348
X1-H		PIN,STRAIGHT,HEADLESS 1214-16 (72314)		EA	1									3-4	1A1MP349
P-H	3020-118-8745	GEAR,SPUR 1214-14 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP350
P-H	5315-722-6591	PIN,GROOVED,HEADLESS MS35672-16 (96906)		EA	1				•	•	•	•	•	3-4	1A1MP351
P-H	5315-597-2428	PIN,TAPERED,PLAIN F114-50-6 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP352
X2-H		PIN,STRAIGHT,HEADED 1214-352 (72314)		EA	1										1A1MP353

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT ●	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5340-721-8187	RING,RETAINING MS16624-1018 (96906)		EA	1				●	●	●	●	●		1A1MP354
X2-H	5340-550-5937	RING,RETAINING MS16632-4025 (96906)		EA	1										1A1MP355
X1-H		SHAFT,SHOULDER 1214-18 (72314)		EA	1									3-4	1A1MP356
X1-H		SHIM 1214-127-1 (72314)		EA	1									3-4	1A1MP357
X1-H		SHIM 1214-127-2 (72314)		EA	1									3-4	1A1MP358
X1-H		SHIM 1214-127-3 (72314)		EA	1									3-4	1A1MP359
X1-H		SHIM 1214-127-4 (72314)		EA	1									3-4	1A1MP360
P-H	6720-112-8768	SHAFT,SHOULDER 1214-5 (72314)		EA	2				●	●	●	●	●	3-4	1A1MP360
P-H	6720-112-8768	SHAFT,SHOULDER 1214-5 (72314)		EA	REF				●	●	●	●	●	3-4	1A1MP361
M-D		SHIELD 1214-326 (72314)		EA	1									3-4	1A1MP362
P-H	5305-777-6039	SCREW,MACHINE MS51959-12 (96906)		EA	2				●	●	●	●	●	3-4	1A1H208
P-H	5305-777-6039	SCREW,MACHINE MS51959-12 (96906)		EA	REF				●	●	●	●	●	3-4	1A1H209
P-H	5365-168-7037	SHIM F200-2C107 (72314)		EA	2				●	●	●	●	●	3-4	1A1MP363
P-H	5365-168-7037	SHIM F200-2C107 (72314)		EA	REF				●	●	●	●	●	3-4	1A1MP364
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	4				●	●	●	●	●	3-4	1A1MP365
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	REF				●	●	●	●	●	3-4	1A1MP366
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	REF				●	●	●	●	●	3-4	1A1MP367
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	REF				●	●	●	●	●	3-4	1A1MP368
X1-H		SHIM 1193-718-1 (72314)		EA	1										1A1MP369
X1-H		SHIM 1193-718-2 (72314)		EA	1										1A1MP370
X1-H		SHIM 1193-718-3 (72314)		EA	1										1A1MP371
X1-H		SHIM 1193-718-4 (72314)		EA	1										1A1MP372
X1-H		SHIM 1214-127-1 (72314)		EA	1										1A1MP373
X1-H		SHIM 1214-127-2 (72314)		EA	1										1A1MP374
X1-H		SHIM 1214-127-3 (72314)		EA	1										1A1MP375
X1-H		SHIM 1214-127-4 (72314)		EA	1										1A1MP376
X1-H		SHIM 1214-127-5 (72314)		EA	1									3-3	1A1MP377
X1-H		SHIM 1214-127-6 (72314)		EA	1									3-3	1A1MP378
X1-H		SHIM 1214-127-7 (72314)		EA	1									3-3	1A1MP379
P-H		SOLENOID ASSEMBLY 1214B33 (72314)		EA	1				●	●	●	●	●	3-4	1A1L1
P-H	5310-167-1374	NUT,PLAIN,HEXAGON AN340C3 (88044)		EA	2				●	●	●	●	●	3-4	1A1H210

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION		(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
		REFERENCE NUMBER & MFR CODE	USABLE ON CODE			(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5310-167-1374	NUT,PLAIN,HEXAGON AN340C3 (88044)		EA	REF				•	•	•	•	•	3-4	1A1H211
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	2				•	•	•	•	•		1A1H212
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•		1A1H213
P-H	5315-273-8015	PIN,GROOVED,HEADLESS MS35672-7 (96906)		EA	1				•	•	•	•	•	3-4	1A1L1MP380
X1-H		SOLENOID,ELECTRICAL 1214-95 (72314)		EA	1										1A1L1L1
M-D		SPRING,STRAIGHT 1214-345 (72314)		EA	2									3-4	1A1MP381
M-D		SPRING,STRAIGHT 1214-345 (72314)		EA	REF									3-4	1A1MP382
P-H	6720-107-4416	SPROCKET,FLANGE ASSEMBLY 1214B9 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP383
P-H	6720-107-4408	SPROCKET,SHAFT ASSEMBLY 1214B25 (72314)		EA	1				•	•	•	•	•		1A1MP384
X1-H		GEAR,HELICAL 1214-78 (72314)		EA	1									3-4	1A1MP385
P-D	5315-228-2822	PIN,TAPERED,PLAIN F114-50-11 (72314)		EA	1							•	•	3-4	1A1MP386
P-H	5315-597-2428	PIN,TAPERED,PLAIN F114-50-6 (72314)		EA	1				•	•	•	•	•		1A1MP387
X1-H		SHAFT,STRAIGHT 1214-99 (72314)		EA	1									3-4	1A1MP388
X1-H		SPROCKET,FLANGE ASSEMBLY 1214B31 (72314)		EA	1									3-4	1A1MP389
P-H		SPRING,HELICAL,TENSION 1214-176 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP390
P-H	6720-112-8773	SPROCKET,CAM ASSEMBLY 1214B24 (72314)		EA	1				•	•	•	•	•		1A1MP391
X2-H		GEAR,SPUR 1214-85 (72314)		EA	1									3-4	1A1MP392
P-H	5315-825-3748	PIN,GROOVED,HEADLESS MS35672-18 (96906)		EA	1				•	•	•	•	•		1A1MP393
P-H	5315-187-3241	PIN,TAPERED,PLAIN F114-50-8 (72314)		EA	1				•	•	•	•	•	3-4	1A1MP394
M-D		SHAFT,STRAIGHT PSP2497A1578 (72314)		EA	1									3-4	1A1MP395
X1-H		SPROCKET,CAM ASSEMBLY 1214B8 (72314)		EA	1										1A1MP396
X2-H		CAM,CONTROL 1214-170 (72314)		EA	1									3-4	1A1MP397
X2-H	5315-939-1146	PIN,STRAIGHT,HEADLESS MS16555-605 (96906)		EA	1										1A1MP398
X2-H		SPROCKET,WHEEL 1214-150-2 (72314)		EA	1									3-4	1A1MP399
P-F	5340-221-0115	STRIKE,CATCH 1093-144 (72314)		EA	4	•	•	•	•	•	•	•	•	3-4	1A1MP400
P-F	5340-221-0115	STRIKE,CATCH 1093-144 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1MP401
P-F	5340-221-0115	STRIKE,CATCH 1093-144 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1MP402
P-F	5340-221-0115	STRIKE,CATCH 1093-144 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-4	1A1MP403
X2-H		SUPPORT,MOTOR 1214-198 (72314)		EA	1										1A1MP404
P-F	5930-463-3059	SWITCH,SENSITIVE 1214-96 (72314)		EA	1	•	•	•	•	•	•	•	•	3-4	1A1S1
P-H	5305-959-1910	SCREW,CAP,SOCKET HEAD MS16996-3 (96906)		EA	1				•	•	•	•	•	3-4	1A1H214

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE / USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5940-681-9771	TERMINAL,BOARD 25TB5 (81349)	EA	1				•	•	•	•	•	3-6	1A1TB1
P-H	5305-054-6653	SCREW,MACHINE MS51957-29 (96906)	EA	4				•	•	•	•	•		1A1H215
P-H	5305-054-6653	SCREW,MACHINE MS51957-29 (96906)	EA	REF				•	•	•	•	•		1A1H216
P-H	5305-054-6653	SCREW,MACHINE MS51957-29 (96906)	EA	REF				•	•	•	•	•		1A1H217
P-H	5305-054-6653	SCREW,MACHINE MS51957-29 (96906)	EA	REF				•	•	•	•	•		1A1H218
X2-H	5940-926-9869	TERMINAL,STUD SC180E01 (81349)	EA	2										1A1E1
X2-H	5940-926-9869	TERMINAL,STUD SC180E01 (81349)	EA	REF										1A1E2
X2-H	5940-144-2353	TERMINAL,STUD 1193-769 (72314)	EA	2									3-6	1A1E3
X2-H	5940-144-2353	TERMINAL,STUD 1193-769 (72314)	EA	REF									3-6	1A1E4
P-H	6720-107-4413	TRUNNION 1214-21 (72314)	EA	1				•	•	•	•	•	3-6	1A1MP405
P-H	6720-107-4411	TRUNNION 1214-97 (72314)	EA	1				•	•	•	•	•	3-6	1A1MP406
P-H	5310-713-0528	WASHER,SPRING TENSION D6-1 (00141)	EA	1				•	•	•	•	•		1A1MP407
X2-H		WEIGHT,BALANCE 1214-6 (72314)	EA	2									3-6	1A1MP408
X2-H		WEIGHT,BALANCE 1214-6 (72314)	EA	REF									3-6	1A1MP409
P-H	6720-107-4417	WINDOW,OPTICAL INSTRUMENT 1214-208 (72314)	EA	1				•	•	•	•	•	3-6	1A1MP410
P-D	5995-470-4565	WIRING HARNESS 1214837 (72314)	EA	1							•	•	3-6	1A1W1
X2-D		BLOCK,CONNECTOR MS18177 (96906)	EA	1									6-17	1A1W1J3
P-D		CONNECTOR,PLUG,ELECTRICAL M22T10XS2NH54 (09922)	EA	1							•	•	6-17	1A1W1J2
P-D	5935-725-4466	CONNECTOR,RECEPTACLE,ELEC MS3122E20-39P (96906)	EA	1							•	•	6-17	1A1W1J1
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	10	•	•	•	•	•	•	•	•		1A1W1E1
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E2
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E3
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E4
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E5
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E6
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E7
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E8
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E9
P-F	5935-052-2301	CONTACT,ELECTRICAL MS17804-16-20 (96906)	EA	REF	•	•	•	•	•	•	•	•		1A1W1E10
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	10				•	•	•	•	•		1A1W1E11
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)	EA	REF				•	•	•	•	•		1A1W1E12

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E13
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E14
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E15
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E16
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E17
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E18
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E19
P-H	5999-239-3350	CONTACT,ELECTRICAL MS18233 (96906)		EA	REF				•	•	•	•	•		1A1W1E20
X2-D	5935-110-7735	JACKSCREW MS18196-1 (96906)		EA	1										1A1W1MP611
X2-D	5935-110-7736	JACKSCREW MS18196-2 (96906)		EA	1										1A1W1MP612
X2-D		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-196 (72314)		EA	2										1A1W1MP613
X2-D		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-196 (72314)		EA	REF										1A1W1MP614
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	2				•	•	•	•	•	6-37	1A1W1H219
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	6-37	1A1W1H220
P-H	5940-577-3711	TERMINAL,LUG MS25036-3 (96906)		EA	2				•	•	•	•	•		1A1W1E21
P-H	5940-577-3711	TERMINAL,LUG MS25036-3 (96906)		EA	REF				•	•	•	•	•		1A1W1E22
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	5				•	•	•	•	•		1A1W1E23
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	REF				•	•	•	•	•		1A1W1E24
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	REF				•	•	•	•	•		1A1W1E25
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	REF				•	•	•	•	•		1A1W1E26
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	REF				•	•	•	•	•		1A1W1E27
A-H		WIRING HARNESS 1214B43 (72314)		EA	1										1A1W2
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	2				•	•	•	•	•		1A1W2E1
P-H	5940-557-4398	TERMINAL,LUG MS25036-48 (96906)		EA	REF				•	•	•	•	•		1A1W2E2
G-O-S	6720-890-7609	CAMERA,CONTROL LA-412A 1214D6 (72314)		EA	1										1A2
X2-H		BAR,MOUNTING 1214-278 (72314)		EA	2									3-9	1A2MP615
X2-H		BAR,MOUNTING 1214-278 (72314)		EA	REF									3-9	1A2MP616
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)		EA	4										1A2H221
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)		EA	REF										1A2H222
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)		EA	REF										1A2H223

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-H	5305-763-6962	SCREW,MACHINE MS51959-27 (96906)		EA	REF										1A2H224
X2-H		CHASSIS,CAMERA CONTROL 1214D15 (72314)		EA	1										1A2MP417
X1-H		CHASSIS 1214-152 (72314)		EA	1									3-8	1A2MP418
X2-H	5310-208-2709	NUT,PLAIN,CLINCH CL832-2 (46384)		EA	4										1A2MP419
X2-H	5310-208-2709	NUT,PLAIN,CLINCH CL832-2 (46384)		EA	REF										1A2MP420
X2-H	5310-208-2709	NUT,PLAIN,CLINCH CL832-2 (46384)		EA	REF										1A2MP421
X2-H	5310-208-2709	NUT,PLAIN,CLINCH CL832-2 (46384)		EA	REF										1A2MP422
X2-H	5310-471-0502	NUT,SHEET,SPRING 12-11015-14 (94222)		EA	1										1A2MP423
X2-H	5320-655-4757	RIVET,SOLID MS20426A3-4 (96906)		EA	2										1A2H225
X2-H	5320-655-4757	RIVET,SOLID MS20426A3-4 (96906)		EA	REF										1A2H226
P-H	5960-939-8657	RETAINER,PRINTED BOARD 17B7-3 (18915)		EA	6				•	•	•	•	•		1A2MP424
P-H	5960-939-8657	RETAINER,PRINTED BOARD 17B7-3 (18915)		EA	REF				•	•	•	•	•		1A2MP425
P-H	5960-939-8657	RETAINER,PRINTED BOARD 17B7-3 (18915)		EA	REF				•	•	•	•	•		1A2MP426
P-H	5960-939-8657	RETAINER,PRINTED BOARD 17B7-3 (18915)		EA	REF				•	•	•	•	•		1A2MP427
P-H	5960-939-8657	RETAINER,PRINTED BOARD 17B7-3 (18915)		EA	REF				•	•	•	•	•		1A2MP428
P-H	5960-939-8657	RETAINER,PRINTED BOARD 17B7-3 (18915)		EA	REF				•	•	•	•	•		1A2MP429
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	12										1A2H227
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H228
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H229
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H230
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H231
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H232
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H233
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H234
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H235
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H236
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H237
X2-H		RIVET,TUBULAR 1214-313 (72314)		EA	REF										1A2H238
P-P-S	6720-107-4390	CIRCUIT CARD ASSEMBLY 1214D10 (72314)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A3
P-H	5910-022-5658	CAPACITOR,FIXED,CERAMIC CKR05CW221KM (81349)		EA	1				•	•	•	•	•	6-24	1A2A3C3
P-H	5910-106-7162	CAPACITOR,FIXED,CERAMIC CKR06BX563KM (81349)		EA	2				•	•	•	•	•	6-24	1A2A3C2

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5910-106-7162	CAPACITOR,FIXED,CERAMIC CKR06BX563KM (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3C4
P-H	5910-883-5712	CAPACITOR,FIXED,CERAMIC CK06CW103K (81349)		EA	1				•	•	•	•	•	6-24	1A2A3C5
P-H	5910-068-4298	CAPACITOR,FIXED,ELECTROLYTIC CSR13G105KM (81349)		EA	2				•	•	•	•	•	6-24	1A2A3C1
P-H	5910-068-4298	CAPACITOR,FIXED,ELECTROLYTIC CSR13G105KM (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3C7
P-H	5910-078-7227	CAPACITOR,FIXED,ELECTROLYTIC CSR13E225KM (81349)		EA	1				•	•	•	•	•	6-24	1A2A3C6
P-H	5340-983-9586	CLIP,SPRING TENSION NAS1464B018-02C (80205)		EA	1				•	•	•	•	•		1A2A3MP430
P-H	5320-821-4995	RIVET,TUBULAR MS16535-22 (96906)		EA	1				•	•	•	•	•		1A2A3H239
X2-H		HEAT SINK MODEL211 (05820)		EA	1										1A2A3MP431
P-H	5945-315-1052	INSULATOR,MOUNTING 10105 (07047)		EA	1				•	•	•	•	•		1A2A3MP432
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)		EA	1				•	•	•	•	•	6-24	1A2A3AR1
P-H	5961-945-2975	PAD,TRANSISTOR A10122 (07047)		EA	4				•	•	•	•	•		1A2A3MP433
P-H	5961-945-2975	PAD,TRANSISTOR A10122 (07047)		EA	REF				•	•	•	•	•		1A2A3MP434
P-H	5961-945-2975	PAD,TRANSISTOR A10122 (07047)		EA	REF				•	•	•	•	•		1A2A3MP435
P-H	5961-945-2975	PAD,TRANSISTOR A10122 (07047)		EA	REF				•	•	•	•	•		1A2A3MP436
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	10				•	•	•	•	•		1A2A3MP437
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP438
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP439
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP440
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP441
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP442
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP443
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP444
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP445
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A3MP446
P-H	5961-977-5631	PAD,TRANSISTOR 10104 (07047)		EA	1				•	•	•	•	•		1A2A3MP447
P-H	5961-930-7486	PAD,TRANSISTOR 10191DAP (07047)		EA	1				•	•	•	•	•		1A2A3MP448
X1-H		PRINTED CIRCUIT BOARD 1214-200 (72314)		EA	1										1A2A3MP449
P-H	5945-945-1581	RELAY,ARMATURE RY4XY4B3P12 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3K1
P-H	5905-195-6806	RESISTOR,FIXED,COMPOSITION RC20GF102J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R16
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	16				•	•	•	•	•	6-24	1A2A3R8
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R11

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1)	(2)	(3)		(4)	(5)	(6)			(7)			(8)	(9)	(10)	
SMR CODE	FEDERAL STOCK NUMBER	DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	UNIT OF MEAS	QTY INC IN UNIT	30 DAY DS MAINT ALLOWANCE			30 DAY GS MAINT ALLOWANCE			1 YR ALW PER EQUIP CNTGCY	DEPOT MAINT ALW PER 100	ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R17
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R18
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R19
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R20
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R24
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R27
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R28
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R30
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R33
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R34
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R35
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R36
P-H	5905-195-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R37
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R38
P-H	5905-111-4738	RESISTOR,FIXED,COMPOSITION RC20GF152J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R1
P-H	5905-190-8887	RESISTOR,FIXED,COMPOSITION RC20GF202J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R39
P-H	5905-104-8350	RESISTOR,FIXED,COMPOSITION RC20GF221J (81349)		EA	2				•	•	•	•	•	6-24	1A2A3R5
P-H	5905-104-8350	RESISTOR,FIXED,COMPOSITION RC20GF221J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R12
P-H	5905-141-1168	RESISTOR,FIXED,COMPOSITION RC20GF222J (81349)		EA	3				•	•	•	•	•	6-24	1A2A3R2
P-H	5905-141-1168	RESISTOR,FIXED,COMPOSITION RC20GF222J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R10
P-H	5905-141-1168	RESISTOR,FIXED,COMPOSITION RC20GF222J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R29
P-H	5905-171-2004	RESISTOR,FIXED,COMPOSITION RC20GF223J (81349)		EA	3				•	•	•	•	•	6-24	1A2A3R7
P-H	5905-171-2004	RESISTOR,FIXED,COMPOSITION RC20GF223J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R15
P-H	5905-171-2004	RESISTOR,FIXED,COMPOSITION RC20GF223J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R32
P-H	5905-279-1878	RESISTOR,FIXED,COMPOSITION RC20GF243J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R13
P-H	5905-192-3978	RESISTOR,FIXED,COMPOSITION RC20GF303J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R44
P-H	5905-249-4256	RESISTOR,FIXED,COMPOSITION RC20GF363J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R45
P-H	5905-192-4490	RESISTOR,FIXED,COMPOSITION RC20GF330J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R42
P-H	5905-171-1998	RESISTOR,FIXED,COMPOSITION RC20GF333J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R3
P-H	5905-279-3504	RESISTOR,FIXED,COMPOSITION RC20GF472J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R14
P-H	5905-104-8349	RESISTOR,FIXED,COMPOSITION RC20GF511J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R23

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	(3) USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(6) (b) 21-50	(6) (c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(7) (b) 21-50	(7) (c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(10) (b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-111-4840	RESISTOR, FIXED, COMPOSITION RC20GF514J (81349)		EA	2				•	•	•	•	•	6-24	1A2A3R6
P-H	5905-111-4840	RESISTOR, FIXED, COMPOSITION RC20GF514J (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3R31
P-H	5905-279-2637	RESISTOR, FIXED, COMPOSITION RC32GF470J (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R26
P-H	5905-752-3308	RESISTOR, FIXED, FILM RN60C1211F (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R4
P-H	5905-816-6311	RESISTOR, FIXED, FILM RN60C2212F (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R21
P-H	5905-836-2859	RESISTOR, FIXED, FILM RN60C9761F (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R9
P-H	5905-993-6985	RESISTOR, FIXED, WIREWOUND RW69VR27 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R43
P-H	5905-978-7702	RESISTOR, FIXED, WIREWOUND RW69V2R0 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R41
P-H		RESISTOR, FIXED, WIREWOUND RW69V251 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R40
P-E	5905-779-8374	RESISTOR, VARIABLE RJ22BP503 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R22
P-H	5905-058-8938	RESISTOR, VARIABLE RT22C2P101 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3R25
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)		EA	5				•	•	•	•	•	6-24	1A2A3CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3CR4
P-H	5961-957-6865	SEMICONDUCTOR DEVICE, DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3CR5
P-H	5961-821-2309	SEMICONDUCTOR DEVICE, DIODE 1N751A (81349)		EA	1				•	•	•	•	•	6-24	1A2A3VR1
P-H	5961-463-3056	TRANSISTOR 1214-116 (72314)		EA	1				•	•	•	•	•	6-24	1A2A3Q12
P-H		TRANSISTOR 1214-363 (72314)		EA	1				•	•	•	•	•	6-24	1A2A3Q13
P-H	5310-939-0849	NUT, SELF-LOCKING, HEXAGON MS21083C04 (96906)		EA	2				•	•	•	•	•		1A2A3H240
P-H	5310-939-0849	NUT, SELF-LOCKING, HEXAGON MS21083C04 (96906)		EA	REF				•	•	•	•	•		1A2A3H241
P-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)		EA	2				•	•	•	•	•		1A2A3H242
P-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)		EA	REF				•	•	•	•	•		1A2A3H243
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	2				•	•	•	•	•		1A2A3H244
P-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•		1A2A3H245
P-H	5961-081-4816	TRANSISTOR 2N1485 (81349)		EA	1				•	•	•	•	•	6-24	1A2A3Q3
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	6				•	•	•	•	•	6-24	1A2A3Q1
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q2
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q4
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q5
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q6

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q11
P-H	5961-951-8757	TRANSISTOR 2N2222A (81349)		EA	1				•	•	•	•	•	6-24	1A2A3Q10
P-H	5961-925-3777	TRANSISTOR 2N2907 (81349)		EA	3				•	•	•	•	•	6-24	1A2A3Q7
P-H	5961-925-3777	TRANSISTOR 2N2907 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q8
P-H	5961-925-3777	TRANSISTOR 2N2907 (81349)		EA	REF				•	•	•	•	•	6-24	1A2A3Q9
P-F-S	6720-107-4391	CIRCUIT CARD ASSEMBLY 1214D11 (72314)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A4
P-H	5910-990-4881	CAPACITOR,FIXED,CERAMIC CK05CW221K (81349)		EA	1				•	•	•	•	•	6-26	1A2A4C7
P-H		CAPACITOR,FIXED,CERAMIC 8131-100-651-474M (16512)		EA	1				•	•	•	•	•	6-26	1A2A4C8
P-H	5910-998-4105	CAPACITOR,FIXED,ELECTROLYTIC CSR13F476KM (81349)		EA	2				•	•	•	•	•	6-26	1A2A4C1
P-H	5910-998-4105	CAPACITOR,FIXED,ELECTROLYTIC CSR13F476KM (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4C4
P-H	5910-068-4298	CAPACITOR,FIXED,ELECTROLYTIC CSR13G105KM (81349)		EA	3				•	•	•	•	•	6-26	1A2A4C5
P-H	5910-068-4298	CAPACITOR,FIXED,ELECTROLYTIC CSR13G105KM (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4C6
P-H	5910-068-4298	CAPACITOR,FIXED,ELECTROLYTIC CSR13G105KM (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4C9
P-H	5910-067-4413	CAPACITOR,FIXED,ELECTROLYTIC CSR13G475KM (81349)		EA	1				•	•	•	•	•	6-26	1A2A4C2
P-H		CAPACITOP,FIXED,ELECTROLYTIC 1214-369 (72314)		EA	1				•	•	•	•	•	6-26	1A2A4C3
P-H	5945-915-1052	INSULATOR,MOUNTING 10105 (07047)		EA	3				•	•	•	•	•		1A2A4MP450
P-H	5945-915-1052	INSULATOR,MOUNTING 10105 (07047)		EA	REF				•	•	•	•	•		1A2A4MP451
P-H	5945-915-1052	INSULATOR,MOUNTING 10105 (07047)		EA	REF				•	•	•	•	•		1A2A4MP452
P-H	5962-886-9544	MICROELECTRONIC CIRCUIT DEVICE 1214-106 (72314)		EA	1				•	•	•	•	•	6-26	1A2A4AR2
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)		EA	1				•	•	•	•	•	6-26	1A2A4AR1
P-H	5901-115-8357	PAD,TRANSISTOR 10050DAP (07047)		EA	1				•	•	•	•	•		1A2A4MP453
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	4				•	•	•	•	•		1A2A4MP454
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A4MP455
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A4MP456
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	REF				•	•	•	•	•		1A2A4MP457
X1-H		PRINTED CIRCUIT BOARD 1214-201 (72314)		EA	1										1A2A4MP458
P-H	5945-945-1581	RELAY,ARMATURE RY4YY4B3P12 (81349)		EA	3				•	•	•	•	•	6-26	1A2A4K1
P-H	5945-945-1581	RELAY,ARMATURE RY4YY4B3P12 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4K2
P-H	5945-945-1581	RELAY,ARMATURE RY4YY4B3P12 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4K3
P-H	5905-190-8883	RESISTOR,FIXED,COMPOSITION RC20GF100J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R23
P-H	5905-195-6806	RESISTOR,FIXED,COMPOSITION RC20GF102J (81349)		EA	2				•	•	•	•	•	6-26	1A2A4R5

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-195-6806	RESISTOR, FIXED, COMPOSITION RC20GF102J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R16
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	3				•	•	•	•	•	6-26	1A2A4R4
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R7
P-H	5905-185-8510	RESISTOR, FIXED, COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R17
P-H	5905-111-4738	RESISTOR, FIXED, COMPOSITION RC20GF152J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R24
P-H	5905-104-8350	RESISTOR, FIXED, COMPOSITION RC20GF221J (81349)		EA	2				•	•	•	•	•	6-26	1A2A4R20
P-H	5905-104-8350	RESISTOR, FIXED, COMPOSITION RC20GF221J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R38
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GF222J (81349)		EA	3				•	•	•	•	•	6-26	1A2A4R30
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GF222J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R31
P-H	5905-141-1168	RESISTOR, FIXED, COMPOSITION RC20GF222J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R32
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GF223J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R18
P-H	5905-517-1206	RESISTOR, FIXED, COMPOSITION RC20GF271J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R13
P-H	5905-141-1130	RESISTOR, FIXED, COMPOSITION RC20GF272J (81349)		EA	3				•	•	•	•	•	6-26	1A2A4R40
P-H	5905-141-1130	RESISTOR, FIXED, COMPOSITION RC20GF272J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R41
P-H	5905-141-1130	RESISTOR, FIXED, COMPOSITION RC20GF272J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R42
P-H	5905-110-0310	RESISTOR, FIXED, COMPOSITION RC20GF392J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R6
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GF472J (81349)		EA	3				•	•	•	•	•	6-26	1A2A4R8
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GF472J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R29
P-H	5905-279-3504	RESISTOR, FIXED, COMPOSITION RC20GF472J (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R39
P-H	5905-141-0597	RESISTOR, FIXED, COMPOSITION RC20GF513J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R9
P-H	5905-195-6453	RESISTOR, FIXED, COMPOSITION RC20GF562J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R28
P-H	5905-806-4457	RESISTOR, FIXED, COMPOSITION RC32GF102J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R3
P-H	5905-106-1247	RESISTOR, FIXED, COMPOSITION RC32GF221J (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R19
P-H	5905-810-1055	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1000F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R15
P-H	5905-978-6412	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1020F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R15
P-H	5905-449-6212	RESISTOR, FIXED, FILM RN60C1022D (81349)		EA	2				•	•	•	•	•	6-26	1A2A4R1
P-H	5905-449-6212	RESISTOR, FIXED, FILM RN60C1022D (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4R2
P-H	5905-766-8371	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1050F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R15
P-H	5905-752-3308	RESISTOR, FIXED, FILM RN60C1211F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R27
P-H	5905-059-9114	RESISTOR, FIXED, FILM (SELECT AT TEST) RN60C1302F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R22

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1-YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-752-6997	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1332F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R22
P-H	5905-059-9116	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1372F (81349)	EA	2				●	●	●	●	●	6-26	1A2A4R22
P-H	5905-059-9116	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1372F (81349)	EA	REF				●	●	●	●	●	6-26	1A2A4R35
P-H	5905-059-9117	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1402F (81349)	EA	2				●	●	●	●	●	6-26	1A2A4R22
P-H	5905-059-9117	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1402F (81349)	EA	REF				●	●	●	●	●	6-26	1A2A4R35
P-H	5905-879-6995	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1432F (81349)	EA	2				●	●	●	●	●	6-26	1A2A4R22
P-H	5905-879-6995	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1432F (81349)	EA	REF				●	●	●	●	●	6-26	1A2A4R35
P-H	5905-841-5197	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1472F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R35
P-H	5905-812-2483	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1502F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R35
P-H	5905-810-7778	RESISTOR,FIXED,FILM RN60C1542F (81349)	EA	2				●	●	●	●	●	6-26	1A2A4R25
P-H	5905-810-7778	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C1542F (81349)	EA	REF				●	●	●	●	●	6-26	1A2A4R35
P-H	5905-752-6646	RESISTOR,FIXED,FILM RN60C2002F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R26
P-H	5905-941-4528	RESISTOR,FIXED,FILM RN60C2003D (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R12
P-H	5905-813-5819	RESISTOR,FIXED,FILM RN60C2003F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R21
P-H	5905-816-6311	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2212F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-854-8118	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2322F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-834-6633	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2432F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-733-9392	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2552F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-809-7805	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2672F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-810-0945	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2802F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-878-5808	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C2942F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R34
P-H	5905-843-6625	RESISTOR,FIXED,FILM RN60C5902F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R33
P-H	5905-752-3601	RESISTOR,FIXED,FILM RN60C6190F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R14
P-H	5905-850-6880	RESISTOR,FIXED,FILM RN60C6810F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R36
P-H	5905-810-1003	RESISTOR,FIXED,FILM RN60C7322F (81349)	EA	1				●	●	●	●	●	6-26	1A2A4R37

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-782-7983	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60C97R6F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R15
P-H	5905-904-6420	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60D5363F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R10
P-H	5905-709-2680	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60D5493F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R10
P-H	5905-983-5826	RESISTOR,FIXED,FILM (SELECT AT TEST) RN60D5623F (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R10
P-H	5905-925-1617	RESISTOR,FIXED,FILM RN65C5233D (81349)		EA	1				•	•	•	•	•	6-26	1A2A4R11
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	8				•	•	•	•	•	6-26	1A2A4CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR4
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR5
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR6
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR7
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4CR8
P-H		SEMICONDUCTOR DEVICE,DIODE 1N4063A (85252)		EA	1				•	•	•	•	•	6-26	1A2A4VR2
P-H	5961-821-2309	SEMICONDUCTOR DEVICE,DIODE 1N751A (81349)		EA	2				•	•	•	•	•	6-26	1A2A4VR3
P-H	5961-821-2309	SEMICONDUCTOR DEVICE,DIODE 1N751A (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4VR4
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)		EA	2				•	•	•	•	•	6-26	1A2A4VR1
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4VR5
P-H	5961-463-3053	TRANSISTOR 1214-105 (72314)		EA	1				•	•	•	•	•	6-26	1A2A4Q2
P-H	5961-951-8756	TRANSISTOR 2N2222 (81349)		EA	1				•	•	•	•	•		1A2A4Q3
P-H	5961-951-8757	TRANSISTOR 2N2222A (81349)		EA	2				•	•	•	•	•		1A2A4Q1
P-H	5961-951-8757	TRANSISTOR 2N2222A (81349)		EA	REF				•	•	•	•	•	6-26	1A2A4Q4
P-F-S	6720-107-4393	CIRCUIT CARD ASSEMBLY 1214D17 (72314)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A5
P-H	5910-064-3305	CAPACITOR,FIXED,CERAMIC CKR06CW104KM (81349)		EA	1				•	•	•	•	•	6-26	1A2A5C11
P-H	5910-106-7161	CAPACITOR,FIXED,CERAMIC CKR06CW104KP (81349)		EA	2				•	•	•	•	•	6-26	1A2A5C9
P-H	5910-106-7161	CAPACITOR,FIXED,CERAMIC CKR06CW104KP (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5C10
P-H	5910-990-4881	CAPACITOR,FIXED,CERAMIC CK05CW221K (81349)		EA	3				•	•	•	•	•	6-26	1A2A5C4
P-H	5910-990-4881	CAPACITOR,FIXED,CERAMIC CK05CW221K (81349)		EA	REF				•	•	•	•	•	6-26	1A2A5C6
P-H	5910-990-4881	CAPACITOR,FIXED,CERAMIC CK05CW221K (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5C8
P-H		CAPACITOR, FIXED, CERAMIC 8131-100-651-474M (16512)		EA	2				•	•	•	•	•	6-22	1A2A5C3

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H		CAPACITOR FIXED CERAMIC 8131-100-651-474M (16512)		EA	REF				•	•	•	•	•	6-22	1A2A5C7
P-H	5910-068-4294	CAPACITOR,FIXED,ELECTROLYTIC CSR13G105KM (81349)		EA	1				•	•	•	•	•	6-22	1A2A5C2
P-H	5910-481-8109	CAPACITOR,FIXED LP9A1B205J (72314)		EA	1				•	•	•	•	•	6-22	1A2A5C5
X2-H	5340-115-6077	CLIP,SPRING TENSION NAS1464B032-04C (80205)		EA	2										1A2A5MP459
X2-H	5340-115-6077	CLIP,SPRING TENSION NAS1464B032-04C (80205)		EA	REF										1A2A5MP460
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)		EA	2										1A2A5H246
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)		EA	REF										1A2A5H247
H-D		WASHER,FLAT S093TF031H250 (72314)		EA	2										1A2A5H248
H-D		WASHER,FLAT S093TF031H250 (72314)		EA	REF										1A2A5H249
X2-H		CLIP,SPRING TENSION NAS1464B050-08C (80205)		EA	1										1A2A5MP461
X2-H	5320-850-2273	RIVET,TUBULAR MS16535-152 (96906)		EA	2										1A2A5H250
X2-H	5320-850-2273	RIVET,TUBULAR MS16535-152 (96906)		EA	REF										1A2A5H251
X2-H		HEAT SINK 1214-397 (72314)		EA	2										1A2A5MP463
X2-H		HEAT SINK 1214-397 (72314)		EA	REF										1A2A5MP462
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)		EA	3				•	•	•	•	•	6-22	1A2A5AR1
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)		EA	REF				•	•	•	•	•	6-22	1A2A5AR2
P-H	5962-463-3195	MICROELECTRONIC CIRCUIT DEVICE 1214-112 (72314)		EA	REF				•	•	•	•	•	6-22	1A2A5AR3
P-H	5961-945-2975	PAD,TRANSISTOR A10122 (07047)		EA	2				•	•	•	•	•		1A2A5MP464
P-H	5961-945-2975	PAD,TRANSISTOR A10122 (07047)		EA	REF				•	•	•	•	•		1A2A5MP465
X1-D		PRINTED CIRCUIT BOARD 1214-204 (72314)		EA	1										1A2A5MP466
P-H	5905-190-8883	RESISTOR,FIXED,COMPOSITION RC20GF100J (81349)		EA	2				•	•	•	•	•	6-22	1A2A5R47
P-H	5905-190-8883	RESISTOR,FIXED,COMPOSITION RC20GF100J (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5R48
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	1				•	•	•	•	•	6-22	1A2A5R51
P-H	5905-111-4738	RESISTOR,FIXED,COMPOSITION RC20GF152J (81349)		EA	3				•	•	•	•	•	6-22	1A2A5R7
P-H	5905-111-4738	RESISTOR,FIXED,COMPOSITION RC20GF152J (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5R12
P-H	5905-111-4738	RESISTOR,FIXED,COMPOSITION RC20GF152J (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5R13
P-H	5905-190-8887	RESISTOR,FIXED,COMPOSITION RC20GF202J (81349)		EA	1				•	•	•	•	•	6-22	1A2A5R41
P-H	5905-473-5251	RESISTOR,FIXED,COMPOSITION RC32GF192J (81349)		EA	4				•	•	•	•	•	6-22	1A2A5R37
P-H	5905-473-5251	RESISTOR,FIXED,COMPOSITION RC32GF192J (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5R38
P-H	5905-473-5251	RESISTOR,FIXED,COMPOSITION RC32GF192J (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5R39
P-H	5905-473-5251	RESISTOR,FIXED,COMPOSITION RC32GF192J (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5R40

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-253-1231	RESISTOR,FIXED,COMPOSITION RC42GF391J (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R1
P-H	5905-165-6580	RESISTOR,FIXED,COMPOSITION RC42GF471J (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R20
P-H	5905-810-1055	RESISTOR,FIXED,FILM RN60C1000F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R17
P-H	5905-780-7911	RESISTOR,FIXED,FILM RN60C1001D (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R50
P-H	5905-755-8132	RESISTOR,FIXED,FILM RN60C1003F (81349)		EA	5				●	●	●	●	●	6-22	1A2A5R9
P-H	5905-755-8132	RESISTOR,FIXED,FILM RN60C1003F (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R18
P-H	5905-755-8132	RESISTOR,FIXED,FILM RN60C1003F (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R29
P-H	5905-755-8132	RESISTOR,FIXED,FILM RN60C1003F (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R30
P-H	5905-755-8132	RESISTOR,FIXED,FILM RN60C1003F (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R42
P-H	5905-833-5818	RESISTOR,FIXED,FILM RN60C1101F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R43
P-H	5905-882-7889	RESISTOR,FIXED,FILM RN60C1580F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R1
P-H	5905-847-3427	RESISTOR,FIXED,FILM RN60C1620F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R3
P-H	5905-773-3726	RESISTOR,FIXED,FILM RN60C1650F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R3
P-H	5905-810-7801	RESISTOR,FIXED,FILM RN60C2102F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R45
P-H	5905-816-6311	RESISTOR,FIXED,FILM RN60C2212F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R46
P-H	5905-810-0945	RESISTOR,FIXED,FILM RN60C2802F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R11
P-H	5905-822-4465	RESISTOR,FIXED,FILM RN60C3012F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R16
P-H	5905-840-7607	RESISTOR,FIXED,FILM RN60C4021F (81349)		EA	2				●	●	●	●	●	6-22	1A2A5R32
P-H	5905-840-7607	RESISTOR,FIXED,FILM RN60C4021F (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R35
P-H	5905-833-5820	RESISTOR,FIXED,FILM RN60C4992F (81349)		EA	2				●	●	●	●	●	6-22	1A2A5R4
P-H	5905-833-5820	RESISTOR,FIXED,FILM RN60C4992F (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R10
P-H	5905-848-8924	RESISTOR,FIXED,FILM RN60C5110F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R38
P-H	5905-925-1499	RESISTOR,FIXED,FILM RN60C6041D (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R49
P-H	5905-837-4777	RESISTOR,FIXED,FILM RN60C6811F (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R2
P-H	5905-067-9079	RESISTOR,VARIABLE RT22C2P102 (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R8
P-H	5905-764-1182	RESISTOR,VARIABLE RT22C2P202 (81349)		EA	3				●	●	●	●	●	6-22	1A2A5R14
P-H	5905-764-1182	RESISTOR,VARIABLE RT22C2P202 (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R15
P-H	5905-764-1182	RESISTOR,VARIABLE RT22C2P202 (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5R21
P-H	5905-067-6473	RESISTOR,VARIABLE RT22C2P501 (81349)		EA	1				●	●	●	●	●	6-22	1A2A5R13
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	4				●	●	●	●	●	6-22	1A2A5CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				●	●	●	●	●	6-22	1A2A5CR2

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N1611 (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5CR4
P-H	5961-892-3361	SEMICONDUCTOR DEVICE,DIODE 1N750A (81349)		EA	1				•	•	•	•	•	6-22	1A2A5VR2
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)		EA	4				•	•	•	•	•	6-22	1A2A5VR1
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5VR4
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5VR5
P-H	5961-995-2310	SEMICONDUCTOR DEVICE,DIODE 1N752A (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5VR6
P-H	5961-752-6121	SEMICONDUCTOR DEVICE,DIODE 1N753A (81349)		EA	1				•	•	•	•	•	6-22	1A2A5VR3
P-H	5950-088-3748	TRANSFORMER,POWER MMT18M (00348)		EA	1				•	•	•	•	•	6-22	1A2A5T2
P-H	5950-463-3058	TRANSFORMER,POWER 1214-280 (72314)		EA	1				•	•	•	•	•	6-22	1A2A5T1
P-H	5961-959-8586	TRANSISTOR 2N1890 (81349)		EA	2				•	•	•	•	•	6-22	1A2A5Q1
P-H	5961-959-8586	TRANSISTOR 2N1890 (81349)		EA	REF				•	•	•	•	•	6-22	1A2A5Q2
P-H		CLAMP,LOOP NAS1397R3B (80205)		EA	1				•	•	•	•	•		1A2MP467
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)		EA	1				•	•	•	•	•	3-8	1A2H252
P-H	5305-054-5650	SCREW,MACHINE MS51957-18 (96906)		EA	3				•	•	•	•	•	3-8	1A2H253
P-H	5305-054-5650	SCREW,MACHINE MS51957-18 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H255
P-H	5305-054-5650	SCREW,MACHINE MS51957-18 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H254
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	2				•	•	•	•	•	3-8	1A2H256
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H257
P-F	5310-672-2178	WASHER,SADDLE D4-128 (95987)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2H258
X2-H		COVER ASSEMBLY 1214D14 (72314)		EA	1										1A2MP468
X1-H		COVER,CAMERA,CONTROL 1214-153 (72314)		EA	1									3-8	1A2MP469
M-D		GASKET 1214-361 (72314)		EA	2										1A2MP470
M-D		GASKET 1214-361 (72314)		EA	REF										1A2MP471
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)		EA	2	•	•	•	•	•	•	•	•	3-8	1A2MP472
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)		EA	REF	•	•	•	•	•	•	•	•	3-8	1A2MP473
P-F		WASHER,PANEL,SCREW 12-11014-26 (94222)		EA	2	•	•	•	•	•	•	•	•	3-8	1A2MP474
P-F		WASHER,PANEL,SCREW 12-11014-26 (94222)		EA	REF	•	•	•	•	•	•	•	•	3-8	1A2MP475
A-F		HEAT SINK ASSEMBLY 1214D12 (72314)		EA	1									3-8	1A2A6
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	4	•	•	•	•	•	•	•	•	3-8	1A2H259
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-8	1A2H260

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-8	1A2H261
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-8	1A2H262
X2-F		CLIP SPRING,TENSION NAS1464B034-10M (80205)		EA	1										1A2A6MP476
P-F	5305-054-5635	SCREW,MACHINE MS51957-1 (96906)		EA	2	*	*	*	*	*	*	*	*		1A2A6H263
P-F	5305-054-5635	SCREW,MACHINE MS51957-1 (96906)		EA	REF	*	*	*	*	*	*	*	*		1A2A6H264
P-F	5325-185-0017	GROMMET,RUBBER MS35489-33 (96906)		EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6MP477
X2-F		HEAT SINK 1214-197 (72314)		EA	1									3-9	1A2A6MP478
P-F	5905-904-7662	RESISTOR,FIXED, WIREWOUND RW68V2R7 (81349)		EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6R1
P-F	5905-993-6985	RESISTOR,FIXED, WIREWOUND RW69VR27 (81349)		EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6R2
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N1614 (81349)		EA	4	*	*	*	*	*	*	*	*	3-9	1A2A6CR1
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N1614 (81349)		EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6CR2
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N1614 (81349)		EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6CR3
P-F	5961-978-5966	SEMICONDUCTOR DEVICE,DIODE 1N1614 (81349)		EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6CR4
P-F	5961-985-1940	SEMICONDUCTOR DEVICE,DIODE 1N3015RB (81349)		EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6VR1
P-F	5940-150-4224	TERMINAL,FEED THRU,INSULATED 4026-3 (71279)		EA	4	*	*	*	*	*	*	*	*		1A2A6E1
P-F	5940-150-4224	TERMINAL,FEED THRU,INSULATED 4026-3 (71279)		EA	REF	*	*	*	*	*	*	*	*		1A2A6E2
P-F	5940-150-4224	TERMINAL,FEED THRU,INSULATED 4026-3 (71279)		EA	REF	*	*	*	*	*	*	*	*		1A2A6E3
P-F	5940-150-4224	TERMINAL,FEED THRU,INSULATED 4026-3 (71279)		EA	REF	*	*	*	*	*	*	*	*		1A2A6E4
P-F	5961-463-3054	TRANSISTOR 1214-111 (72314)		EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6Q1
P-F	5310-625-5756	WASHER,FLAT MS15795-812 (96906)		EA	1	*	*	*	*	*	*	*	*	3-9	1A2A6H265
A-F		WIRING HARNESS 1214D28 (72314)		EA	1										1A2A6W1
P-F	5935-858-5633	CONNECTOR,RECEPTACLE,ELECTRICAL 600-303PCGD15C (95238)		EA	1	*	*	*	*	*	*	*	*	3-8	1A2A6W1P8
P-F	5940-813-0698	TERMINAL,LUG MS25036-1 (96906)		EA	4	*	*	*	*	*	*	*	*	3-9	1A2A6W1E1
P-F	5940-813-0698	TERMINAL,LUG MS25036-1 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6W1E2
P-F	5940-813-0698	TERMINAL,LUG MS25036-1 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6W1E3
P-F	5940-813-0698	TERMINAL,LUG MS25036-1 (96906)		EA	REF	*	*	*	*	*	*	*	*	3-9	1A2A6W1E4
A-F		PANEL ASSEMBLY 1214D13 (72314)		EA	1										1A2A1
P-F	5305-054-6667	SCREW,MACHINE MS51957-42 (96906)		EA	4	*	*	*	*	*	*	*	*		1A2H266
P-F	5305-054-6667	SCREW,MACHINE MS51957-42 (96906)		EA	REF	*	*	*	*	*	*	*	*		1A2H267
P-F	5305-054-6667	SCREW,MACHINE MS51957-42 (96906)		EA	REF	*	*	*	*	*	*	*	*		1A2H268
P-F	5305-054-6667	SCREW,MACHINE MS51957-42 (96906)		EA	REF	*	*	*	*	*	*	*	*		1A2H269

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-F	5925-830-3742	CIRCUIT BREAKER MS26574-1-1-2 (96906)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1CB1
P-F	5925-969-7703	CIRCUIT BREAKER MS26574-3 (96906)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1CB2
P-F	5935-899-9361	COVER, ELECTRICAL CONNECTOR MS3181-10C (96906)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP479
P-F	5935-226-4885	COVER, ELECTRICAL CONNECTOR MS3181-16C (96906)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP480
P-F	5935-762-1392	COVER, ELECTRICAL CONNECTOR MS3181-20C (96906)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP481
M-D		GASKET 1214-138-2 (72314)		EA	1									3-8	1A2A1MP482
P-H-R	6720-107-4425	INTERCONNECTING BOARD ASSEMBLY 121408 (72314)		EA	1				•	•	•	•	•	3-8	1A2A1A1
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)		EA	5	•	•	•	•	•	•	•	•		1A2A1H270
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H271
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H272
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H273
P-F	5305-054-6652	SCREW, MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H274
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	12	•	•	•	•	•	•	•	•		1A2A1H275
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H276
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H277
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H278
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H279
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H280
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H281
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H282
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H283
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H284
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H285
P-F	5305-054-6654	SCREW, MACHINE MS51957-30 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1H286
P-H	5910-481-8109	CAPACITOR, FIXED, FILM LP9A1B205J (72314)		EA	1				•	•	•	•	•	3-12	1A2A1A1C1
X2-H		CLIP, SPRING TENSION MAS1464B050-04C (80205)		EA	1										1A2A1A1MP483
X2-H	5320-879-6606	RIVET, TUBULAR MS16535-154 (96906)		EA	1										1A2A1A1H287
P-H		CONNECTOR, RECEPTACLE, ELECTRICAL 600-121DD26GDF50 (95238)		EA	4				•	•	•	•	•	3-12	1A2A1A1J4
P-H		CONNECTOR, RECEPTACLE, ELECTRICAL 600-121DD26GDF50 (95238)		EA	REF				•	•	•	•	•	3-12	1A2A1A1J5
P-H		CONNECTOR, RECEPTACLE, ELECTRICAL 600-121DD26GDF50 (95238)		EA	REF				•	•	•	•	•	3-12	1A2A1A1J6
P-H		CONNECTOR, RECEPTACLE, ELECTRICAL 600-121DD26GDF50 (95238)		EA	REF				•	•	•	•	•	3-12	1A2A1A1J7

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO. OR REFERENCE DESIGNATION
P-F	5935-926-0680	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E14-19S (96906)		EA	1	•	•	•	•	•	•	•	•	3-12	1A2A1A1J3
P-F	5935-941-7808	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E16-26P (96906)		EA	1	•	•	•	•	•	•	•	•	3-12	1A2A1A1J2
P-F	5935-831-9020	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E20-39S (96906)		EA	1	•	•	•	•	•	•	•	•	3-12	1A2A1A1J1
M-D		KEY,POLARIZING A602-26 (95238)		EA	4										1A2A1A1MP484
M-D		KEY,POLARIZING A602-26 (95238)		EA	REF										1A2A1A1MP485
M-D		KEY,POLARIZING A602-26 (95238)		EA	REF										1A2A1A1MP486
M-D		KEY,POLARIZING A602-26 (95238)		EA	REF										1A2A1A1MP487
X2-F		NUT,PLATE 1214-314 (72314)		EA	1									3-12	1A2A1A1MP488
X2-F		NUT,PLATE 1214-315 (72314)		EA	1									3-12	1A2A1A1MP489
X2-F		NUT,PLATE 1214-316 (72314)		EA	1									3-12	1A2A1A1MP490
X2-F		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-276 (72314)		EA	2									3-12	1A2A1A1MP491
X2-F		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-276 (72314)		EA	REF									3-12	1A2A1A1MP492
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	2	•	•	•	•	•	•	•	•		1A2A1A1H288
P-F	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1A1H289
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	2	•	•	•	•	•	•	•	•		1A2A1A1H290
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•		1A2A1A1H291
X2-F		POST,ELECTRICAL-MECHANICAL EQUIPMENT 1214-312 (72314)		EA	1									3-12	1A2A1A1MP493
P-H	5305-993-9140	SCREW,MACHINE AN50006-5 (88044)		EA	1				•	•	•	•	•	3-12	1A2A1A1H292
P-H	5310-057-0573	WASHER,FLAT NAS620C4 (80205)		EA	1				•	•	•	•	•	3-12	1A2A1A1H293
X1-H		PRINTED CIRCUIT BOARD 1214-203 (72314)		EA	1									3-12	1A2A1A1MP494
P-H	5905-190-8887	RESISTOR,FIXED,COMPOSITION RC20CF202J (81349)		EA	1				•	•	•	•	•	3-12	1A2A1A1R8
P-H	5905-730-0285	RESISTOR,FIXED,FILM RN60D28R7F (81349)		EA	2				•	•	•	•	•	3-12	1A2A1A1R3
P-H	5905-730-0285	RESISTOR,FIXED,FILM RN60D28R7F (81349)		EA	REF				•	•	•	•	•	3-12	1A2A1A1R4
P-H	5905-985-3958	RESISTOR,FIXED,FILM RN60D31R6F (81349)		EA	1				•	•	•	•	•	3-12	1A2A1A1R2
P-H	5905-841-6964	RESISTOR,FIXED,FILM RN60C4640D (81349)		EA	1				•	•	•	•	•	3-12	1A2A1A1R7
P-H	5905-924-9347	RESISTOR,FIXED,FILM RN60C57R6F (81349)		EA	1				•	•	•	•	•	3-12	1A2A1A1R1
P-H	5905-901-1583	RESISTOR,FIXED,FILM RN60C60R4F (81349)		EA	1				•	•	•	•	•	3-12	1A2A1A1R5
P-H	5905-061-2251	RESISTOR,FIXED,FILM RN60C86R7F (81349)		EA	1				•	•	•	•	•	3-12	1A2A1A1R6
P-F	5340-052-1788	HANDLE,BOW 1282-1 (71279)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP495
X2-H	5305-054-6671	SCREW,MACHINE MS51957-46 (96906)		EA	2									3-8	1A2A1H294

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-H	5305-054-6671	SCREW,MACHINE MS51957-46 (96906)		EA	REF									3-8	1A2A1H295
X2-H	5310-933-8119	WASHER,LOCK MS35338-137 (96906)		EA	2									3-8	1A2A1H296
X2-H	5310-933-8119	WASHER,LOCK MS35338-137 (96906)		EA	REF									3-8	1A2A1H297
X2-H		PANEL,FRONT 1214-151 (72314)		EA	1									3-8	1A2A1MP496
P-F	5935-682-0658	SHIELDING,GASKET,ELECTRONIC 42-483 (12881)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP497
P-F	5999-866-3377	SHIELDING,GASKET,ELECTRONIC 04-0302-284 (12881)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP498
P-F	6760-860-5902	SHIELDING,GASKET,ELECTRONIC 42-488 (12881)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A1MP499
X2-H		SUPPORT 1214-215 (72314)		EA	1									3-8	1A2A1MP500
M-D		PLATE,IDENTIFICATION 1214-122 (72314)		EA	1									3-8	1A2MP501
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	2				•	•	•	•	•	3-8	1A2H298
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H299
P-F-S	6720-107-4395	POWER SUPPLY ASSEMBLY 1214D9 (72314)		EA	1	•	•	•	•	•	•	•	•	3-8	1A2A2
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	4				•	•	•	•	•	3-8	1A2H300
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H301
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H302
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	REF				•	•	•	•	•	3-8	1A2H303
X2-H		ANGLE ASSEMBLY 1214D23 (72314)		EA	1										1A2A2MP502
X2-H		BAR 1214-296 (72314)		EA	2									3-10	1A2A2MP503
X2-H		BAR 1214-296 (72314)		EA	REF									3-10	1A2A2MP504
X2-H		BRACKET 1214-348 (72314)		EA	1									3-10	1A2A2MP505
X2-H		BRACKET,ANGLE 1214-300 (72314)		EA	1									3-10	1A2A2MP506
X2-H		BUSHING,SLEEVE 1214-399 (72314)		EA	2										1A2A2MP507
X2-H		BUSHING,SLEEVE 1214-399 (72314)		EA	REF										1A2A2MP508
P-H-S	6720-107-4396	CIRCUIT CARD ASSEMBLY 1214D29 (72314)		EA	1				•	•	•	•	•	3-10	1A2A2A1
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	13				•	•	•	•	•	3-10	1A2A2H304
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H305
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H306
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H307
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H308
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H309
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H310

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SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H311
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H312
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H313
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H314
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H315
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H316
P-H	5910-986-5427	CAPACITOR,FIXED,ELECTROLYTIC CL31CJ140MP3 (81349)		EA	1				•	•	•	•	•	6-32	1A2A2A1C1
P-H	5910-986-5427	CAPACITOR,FIXED,ELECTROLYTIC CL31CJ140MP3 (81349)		EA	1				•	•	•	•	•	6-32	1A2A2A1C2
X1-H		PRINTED WIRING BOARD ASSEMBLY 1214D21 (72314)		EA	1										1A2A2A1MP509
P-H	5905-225-4307	RESISTOR,FIXED, WIREWOUND RW69V100 (81349)		EA	1				•	•	•	•	•	6-32	1A2A2A1R5
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	6				•	•	•	•	•	6-32	1A2A2A1CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-32	1A2A2A1CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-32	1A2A2A1CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-32	1A2A2A1CR4
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-32	1A2A2A1CR5
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-32	1A2A2A1CR6
P-H	5340-286-6587	CLAMP,LOOP 3-16-6 (95987)		EA	1				•	•	•	•	•	3-10	1A2A2MP510
P-F	5310-672-2178	WASHER,SADDLE D4-128 (95987)		EA	1	•	•	•	•	•	•	•	•	3-10	1A2A2H317
X2-H		COVER 1214-298 (72314)		EA	2									3-10	1A2A2MP511
X2-H		COVER 1214-298 (72314)		EA	REF									3-10	1A2A2MP512
X2-H		HEAT SINK DHS4-1/32 (10012)		EA	2										1A2A2MP513
X2-H		HEAT SINK DHS4-1/32 (10012)		EA	REF										1A2A2MP514
X2-H	5310-971-0502	NUT,SHEET,SPRING 12-11015-14 (94222)		EA	1										1A2A2MP515
X2-H	5320-234-1555	RIVET,SOLID MS20426A3-3 (96906)		EA	2										1A2A2MP518
X2-H	5320-234-1555	RIVET,SOLID MS20426A3-3 (96906)		EA	REF										1A2A2MP519
M-D		PAD,INSULATION 1214-357 (72314)		EA	2									3-10	1A2A2MP516
M-D		PAD,INSULATION 1214-357 (72314)		EA	REF									3-10	1A2A2MP517
P-H	5905-764-2604	RESISTOR,FIXED, WIREWOUND RW68V300 (81349)		EA	4				•	•	•	•	•	3-10	1A2A2R1
P-H	5905-764-2604	RESISTOR,FIXED, WIREWOUND RW68V300 (81349)		EA	REF				•	•	•	•	•	3-10	1A2A2R2
P-H	5905-764-2604	RESISTOR,FIXED, WIREWOUND RW68V300 (81349)		EA	REF				•	•	•	•	•	3-10	1A2A2R3
P-H	5905-764-2604	RESISTOR,FIXED, WIREWOUND RW68V300 (81349)		EA	REF				•	•	•	•	•	3-10	1A2A2R4

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5961-853-3438	SEMICONDUCTOR DEVICE,DIODE 1N2979B (81349)		EA	2				•	•	•	•	•	3-10	1A2A2VR1
P-H	5961-853-3438	SEMICONDUCTOR DEVICE,DIODE 1N2979B (81349)		EA	REF				•	•	•	•	•	3-10	1A2A2VR2
P-H	5940-681-8183	TERMINAL,LUG MS35431-2 (96906)		EA	1				•	•	•	•	•		1A2A2E1
P-H		TRANSFORMER,POWER 1214-113 (72314)		EA	1				•	•	•	•	•	3-10	1A2A2T2
P-H		TRANSFORMER,POWER 1214-114 (72314		EA	1				•	•	•	•	•	3-10	1A2A2T1
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	12				•	•	•	•	•	3-10	1A2A2H320
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H321
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H322
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H323
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H324
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H325
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H326
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H327
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H328
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H329
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H330
P-H	5305-054-5646	SCREW,MACHINE MS51957-2 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H331
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	8				•	•	•	•	•	3-10	1A2A2H332
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H333
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H334
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H335
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H336
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H337
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H338
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H339
P-H	5310-933-8118	WASHER,LOCK MS35338-135 (96906)		EA	8				•	•	•	•	•	3-10	1A2A2H340
P-H	5310-933-8118	WASHER,LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H341
P-H	5310-933-8118	WASHER,LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H342
P-H	5310-933-8118	WASHER,LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H343
P-H	5310-933-8118	WASHER,LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H344
P-H	5310-933-8118	WASHER,LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H345

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO. OR REFERENCE DESIGNATION
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H346
P-H	5310-933-8118	WASHER, LOCK MS35338-135 (96906)		EA	REF				•	•	•	•	•	3-10	1A2A2H347
M-D		WASHER, FLAT 1214-400 (72314)		EA	2										1A2A2MP518
M-D		WASHER, FLAT 1214-400 (72314)		EA	REF										1A2A2MP519
M-D		WASHER, FLAT 1214-401 (72314)		EA	2										1A2A2MP520
M-D		WASHER, FLAT 1214-401 (72314)		EA	REF										1A2A2MP521
M-D		WIRING HARNESS 1214D30 (72314)		EA	1									3-10	1A2A2W1
G-O-S	6760-922-5803	CONTROL PANEL ASSEMBLY LA-413A 1214D1 (72314)		EA	1										1A3
X1-D		CHASSIS ASSEMBLY 1214D3 (72314)		EA	1										1A3MP522
X1-D		CHASSIS, ELECTRICAL 1214-90 (72314)		EA	1									3-13	1A3MP523
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	12										1A3MP524
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP525
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP526
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP527
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP528
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP529
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP530
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP531
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP532
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP533
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP534
X2-D	5310-616-8786	NUT, PLAIN, CLINCH CLS632-1 (46384)		EA	REF										1A3MP535
X2-H	5310-971-0502	NUT, SHEET, SPRING 12-1105-14 (94222)		EA	2										1A3MP536
X2-H	5310-971-0502	NUT, SHEET, SPRING 12-1105-14 (94222)		EA	REF										1A3MP537
X2-H	5320-721-5244	RIVET, TUBULAR MS16535-77 (96906)		EA	4										1A3H348
X2-H	5320-721-5244	RIVET, TUBULAR MS16535-77 (96906)		EA	REF										1A3H349
X2-H	5320-721-5244	RIVET, TUBULAR MS16535-77 (96906)		EA	REF										1A3H350
X2-H	5320-721-5244	RIVET, TUBULAR MS16535-77 (96906)		EA	REF										1A3H351
P-F	5935-917-0336	CONNECTOR, RECEPTACLE, ELECTRICAL MS90335-1 (96906)		EA	1	•	•	•	•	•	•	•	•	3-13	1A3J3
P-H	6680-106-2287	COUNTER, ELECTRICAL 1214-108 (72314)		EA	1				•	•	•	•	•	3-13	1A3M1
P-H	5305-763-7822	SCREW, MACHINE MS51959-14 (96906)		EA	2				•	•	•	•	•	3-13	1A3H352

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-763-7822	SCREW,MACHINE MS51959-14 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H353
X2-H		COVER ASSEMBLY 1214D5 (72314)		EA	1										1A3MP538
X1-H		COVER,CHASSIS 1214-91 (72314)		EA	1									3-13	1A3MP539
M-D		PLATE,IDENTIFICATION 1214-217-3 (72314)		EA	1										1A3MP540
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)		EA	2										1A3H354
X2-H	5320-721-5244	RIVET,TUBULAR MS16535-77 (96906)		EA	REF										1A3H355
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)		EA	2	•	•	•	•	•	•	•	•		1A3MP541
P-F	5305-105-9449	SCREW,PANEL FASTENER 12-21-102-26 (94222)		EA	REF	•	•	•	•	•	•	•	•		1A3MP542
P-F		WASHER,PANEL,SCREW 12-11014-26 (94222)		EA	2	•	•	•	•	•	•	•	•		1A3MP543
P-F		WASHER,PANEL,SCREW 12-11014-26 (94222)		EA	REF	•	•	•	•	•	•	•	•		1A3MP544
P-H	5915-481-8108	FILTER,RADIO INTERFERENCE 1150-599 (72314)		EA	1				•	•	•	•	•	3-13	1A3FL1
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	4				•	•	•	•	•	3-13	1A3H356
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H357
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H358
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H359
P-F-S	6720-107-4397	HEAT SINK,CARD ASSEMBLY 1214D19 (72314)		EA	1	•	•	•	•	•	•	•	•		1A3A1
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	8	•	•	•	•	•	•	•	•	3-13	1A3H360
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H361
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H362
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H363
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H364
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H365
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H366
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H367
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	8	•	•	•	•	•	•	•	•	3-13	1A3H368
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H369
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H370
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H371
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H372
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H373
P-F	5310-722-5998	WASHER,FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H374

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H375
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96905)		EA	8	•	•	•	•	•	•	•	•	3-13	1A3H376
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H377
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H378
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H379
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H380
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H381
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H382
P-O	5310-929-6395	WASHER, LOCK MS35338-136 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H383
X1-F		BUSHING, SLEEVE 1214-356 (72314)		EA	1									3-14	1A3A1MP545
A-H-S		CIRCUIT CARD ASSEMBLY 1214D4 (72314)		EA	1									3-13	1A3A1A1
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	8	•	•	•	•	•	•	•	•	3-14	1A3A1H384
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H385
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H386
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H387
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H388
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H389
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H390
P-O	5305-054-6651	SCREW, MACHINE MS51957-27 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H391
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	8	•	•	•	•	•	•	•	•	3-14	1A3A1H392
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H393
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H394
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H395
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H396
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H397
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H398
P-F	5310-722-5998	WASHER, FLAT MS15795-805 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H399
P-F	5310-011-1041	WASHER, LOCK MS35338-79 (96906)		EA	4	•	•	•	•	•	•	•	•	3-14	1A3A1H400
P-F	5310-011-1041	WASHER, LOCK MS35338-79 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H401
P-F	5310-011-1041	WASHER, LOCK MS35338-79 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H402
P-F	5310-011-1041	WASHER, LOCK MS35338-79 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-14	1A3A1H403

SECTION II REPAIR PARTS FOR DIRE[illegible]PORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5910-068-3884	CAPACITOR,FIXED,ELECTROLYTIC CSR13G106KM (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1C2
P-H	5910-007-4413	CAPACITOR,FIXED,ELECTROLYTIC CSR13G475KM (81349)		EA	2				•	•	•	•	•	6-31	1A3A1A1C1
P-H	5910-007-4413	CAPACITOR,FIXED,ELECTROLYTIC CSR13G475KM (81349)		EA	REF				•	•	•	•	•	6-31	1A3A1A1C3
X2-H		CLIP,SPRING TENSION NAS1464B018-04C (80205)		EA	1										1A3A1A1MP546
X2-H	5320-821-4995	RIVET,TUBULAR MS16535-22 (96906)		EA	1										1A3A1A1H404
P-H	5961-905-8509	PAD,TRANSISTOR 10026DAP (07047)		EA	1				•	•	•	•	•		1A3A1A1MP547
P-H	5961-879-7428	PAD,TRANSISTOR 10043DAP (07047)		EA	1				•	•	•	•	•		1A3A1A1MP548
X1-H		PRINTED,CIRCUIT,BOARD 1214-120 (72314)		EA	1										1A3A1A1MP549
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	2				•	•	•	•	•	6-31	1A3A1A1R7
P-H	5905-185-8510	RESISTOR,FIXED,COMPOSITION RC20GF103J (81349)		EA	REF				•	•	•	•	•	6-31	1A3A1A1R10
P-H	5905-190-8887	RESISTOR,FIXED,COMPOSITION RC20GF202J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R9
P-H	5905-192-3973	RESISTOR,FIXED,COMPOSITION RC20GF471J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R3
P-H	5905-114-5438	RESISTOR,FIXED,COMPOSITION RC20GF510J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R2
P-H	5905-104-8349	RESISTOR,FIXED,COMPOSITION RC20GF511J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R4
P-H	5905-111-4744	RESISTOR,FIXED,COMPOSITION RC20GF512J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R5
P-H	5905-195-6800	RESISTOR,FIXED,COMPOSITION RC20GF561J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R6
P-H	5905-185-6935	RESISTOR,FIXED,COMPOSITION RC42GF302J (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R1
P-H	5905-061-2089	RESISTOR,FIXED,WIRE WOUND RW69V510 (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1R8
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	4				•	•	•	•	•	6-31	1A3A1A1CR1
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-31	1A3A1A1CR2
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-31	1A3A1A1CR3
P-H	5961-957-6865	SEMICONDUCTOR DEVICE,DIODE 1N3611 (81349)		EA	REF				•	•	•	•	•	6-31	1A3A1A1CR4
P-H	5950-106-5261	TRANSFORMER,POWER 1214-256 (72314)		EA	1				•	•	•	•	•	6-31	1A3A1A1T1
P-H	5961-951-8757	TRANSISTOR 2N2222A (81349)		EA	1				•	•	•	•	•	6-31	1A3A1A1Q1
X1-H		HEAT SINK,SUB ASSEMBLY 1214D20 (72314)		EA	1										1A3A1MP550
P-H	5961-836-0383	SEMICONDUCTOR DEVICE,DIODE 1N2985B (81349)		EA	1				•	•	•	•	•	3-14	1A3A1VR3
P-H	5961-893-9563	TRANSISTOR 2N1016B (81349)		EA	1				•	•	•	•	•	3-14	1A3A1Q3
P-H	5310-685-3268	NUT,PLAIN,HEXAGON MS35691-530 (96906)		EA	1				•	•	•	•	•	3-14	1A3A1H405
P-H	5310-167-0814	WASHER,FLAT AN960C516L (88044)		EA	1				•	•	•	•	•	3-14	1A3A1H406
P-H	5961-081-4816	TRANSISTOR 2N1485 (81349)		EA	2				•	•	•	•	•	3-14	1A3A1Q2
P-H	5961-081-4816	TRANSISTOR 2N1485 (81349)		EA	REF				•	•	•	•	•	3-14	1A3A1Q4

SECTION REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)		EA	4				•	•	•	•	•	3-14	1A3A1H407
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H408
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H409
P-H	5310-271-4642	NUT,PLAIN,HEXAGON MS35649-44 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H410
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)		EA	4				•	•	•	•	•	3-14	1A3A1H411
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H412
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H413
P-H	5305-054-5649	SCREW,MACHINE MS51957-15 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H414
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	4				•	•	•	•	•	3-14	1A3A1H415
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H416
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H417
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	3-14	1A3A1H418
P-O	6240-155-7836	LAMP,INCANDESCENT MS25237-327 (96906)		EA	2	•	•	•	•	•	•	•	•	3-13	1A3DS1
P-O	6240-155-7836	LAMP,INCANDESCENT MS25237-327 (96906)		EA	REF	•	•	•	•	•	•	•	•	3-13	1A3DS2
P-O	6210-542-6393	LAMPHOLDER MS25041-2 (96906)		EA	1	•	•	•	•	•	•	•	•	3-13	1A3XDS1
P-O	6210-538-8770	LAMPHOLDER MS25041-3 (96906)		EA	1	•	•	•	•	•	•	•	•	3-13	1A3XDS2
P-F	6720-107-4447	PANEL,EDGELIT 1214-88 (72314)		EA	1	•	•	•	•	•	•	•	•	3-13	1A3MP551
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	4				•	•	•	•	•	3-13	1A3H419
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H420
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H421
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	3-13	1A3H422
X2-H		PLATE ASSEMBLY 1214D7 (72314)		EA	1										1A3MP552
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	4				•	•	•	•	•		1A3H423
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•		1A3H424
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•		1A3H425
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•		1A3H426
X1-H		PLATE,BACKING 1214-89 (72314)		EA	1									3-13	1A3MP553
X2-D		SHIELDING,GASKET,ELECTRONIC 10-499 (12881)		FT	2									3-13	1A3MP554
X2-D		SHIELDING,GASKET,ELECTRONIC 10-499 (12881)		FT	REF									3-13	1A3MP555
P-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-30A (72794)		EA	4				•	•	•	•	•		1A3MP556
P-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-30A (72794)		EA	REF				•	•	•	•	•		1A3MP557

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
					(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-38A (72794)	EA	REF				•	•	•	•	•		1A3MP558
P-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-38A (72794)	EA	REF				•	•	•	•	•		1A3MP559
P-F	5935-682-0658	SHIELDING,GASKET,ELECTRONIC 42-483 (12881)	EA	1	•	•	•	•	•	•	•	•	3-13	1A3MP560
P-F	6760-860-5902	SHIELDING,GASKET,ELECTRONIC 42-488 (12881)	EA	1	•	•	•	•	•	•	•	•	3-13	1A3MP561
P-F	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)	EA	4	•	•	•	•	•	•	•	•	3-13	1A3H427
P-F	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H428
P-F	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H429
P-F	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H430
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	4	•	•	•	•	•	•	•	•	3-13	1A3H431
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H432
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H433
P-O	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3H434
P-F	5930-501-1749	SWITCH,PUSH MS25089-3C (96906)	EA	1	•	•	•	•	•	•	•	•	3-13	1A3S5
P-F	5930-106-3927	SWITCH,ROTARY 11359 (14140)	EA	1	•	•	•	•	•	•	•	•	3-13	1A3S4
P-F	5930-518-3490	SWITCH,TOGGLE MS25100-23 (96906)	EA	3	•	•	•	•	•	•	•	•	3-13	1A3S1
P-F	5930-518-3490	SWITCH,TOGGLE MS25100-23 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3S2
P-F	5930-518-3490	SWITCH,TOGGLE MS25100-23 (96906)	EA	REF	•	•	•	•	•	•	•	•	3-13	1A3S3
P-F	5940-110-4443	TERMINAL,LUG MS77073-2 (96906)	EA	1	•	•	•	•	•	•	•	•		1A3E3
A-H		WIRING HARNESS 1214D26 (72314)	EA	1										1A3W1
P-H	5310-939-0849	NUT,SELF-LOCKING,HEXAGON MS21083C04 (96906)	EA	2				•	•	•	•	•	3-13	1A3H435
P-H	5310-939-0849	NUT,SELF-LOCKING,HEXAGON MS21083C04 (96906)	EA	REF				•	•	•	•	•	3-13	1A3H436
P-H	5305-054-5650	SCREW,MACHINE MS51957-16 (96906)	EA	2				•	•	•	•	•	3-13	1A3H437
P-H	5305-054-5650	SCREW,MACHINE MS51957-16 (96906)	EA	REF				•	•	•	•	•	3-13	1A3H438
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)	EA	2				•	•	•	•	•	3-13	1A3H439
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)	EA	REF				•	•	•	•	•	3-13	1A3H440
P-H	5935-926-0678	CONNECTOR,RECEPTACLE, ELECTRICAL MS3127E16-26S (96906)	EA	1				•	•	•	•	•	3-13	1A3W1J2
P-H		CONNECTOR,PLUG,ELECTRICAL 1214-117 (72314)	EA	1				•	•	•	•	•	3-13	1A3W1J4
P-H	5940-050-2308	TERMINAL,LUG MS35431-3 (96906)	EA	1				•	•	•	•	•		1A3W1E1
G-O-S	6760-922-5802	MAGAZINE ASSEMBLY LA-410A 1214C1 (72314)	EA	1										MP562
P-H	3030-982-8174	BELT,POSITIVE DRIVE 30102X3-8XT4H10 (61463)	EA	1				•	•	•	•	•	3-16	MP563
X2-H		BRACE,CORNER 1214-210 (72314)	EA	1									3-16	MP564

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-H		BRACE,CORNER 1214-211 (72314)		EA	1									3-16	MP565
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	12				•	•	•	•	•	3-16	H441
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H442
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H443
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H444
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H445
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H446
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H447
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H448
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H449
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H450
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H451
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-16	H452
X2-H		BRACE,CORNER 1214-212 (72314)		EA	1									3-16	MP566
P-F	5305-054-5637	SCREW,MACHINE MS51957-3 (96906)		EA	1	•	•	•	•	•	•	•	•	3-16	H453
P-F	5310-595-6761	WASHER,FLAT MS15795-802 (96906)		EA	1	•	•	•	•	•	•	•	•	3-16	H454
P-H	6760-071-7014	BRAKE,ASSEMBLY 1193C51 (72314)		EA	1				•	•	•	•	•		MP567
X1-H		BRAKE,SPOOL 1193-16 (72314)		EA	1									3-16	MP568
M-H		PIN,GROOVE,HEADLESS 1193-696 (72314)		EA	1									3-16	MP569
X1-H		PIVOT,SPOOL 1193-618 (72314)		EA	1									3-16	MP570
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	5				•	•	•	•	•	3-16	MP571
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-16	MP572
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-16	MP573
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-16	MP574
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	REF				•	•	•	•	•	3-16	MP575
P-H	6720-107-4449	CAM,RETRACTOR 1214-130 (72314)		EA	1				•	•	•	•	•	3-16	MP576
P-H	5305-182-7334	SCREW,SHOULDER 1214-157 (72314)		EA	2				•	•	•	•	•	3-16	H456
P-F	5340-136-5537	CATCH,LUGGAGE 1193-700-2 (72314)		EA	4	•	•	•	•	•	•	•	•	3-16	MP577
P-F	5340-136-5537	CATCH,LUGGAGE 1193-700-2 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-16	MP578
P-F	5340-136-5537	CATCH,LUGGAGE 1193-700-2 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-16	MP579
P-F	5340-136-5537	CATCH,LUGGAGE 1193-700-2 (72314)		EA	REF	•	•	•	•	•	•	•	•	3-16	MP580

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(6) (b) 21-50	(6) (c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(7) (b) 21-50	(7) (c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(10) (b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	42				•	•	•	•	•	3-16	H457
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H458
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H459
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H460
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H461
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H462
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H463
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H464
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H465
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H466
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H467
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H468
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H469
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H470
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H471
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H472
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H473
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H474
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H475
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H476
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H477
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H478
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H479
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H480
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H481
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H482
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H483
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H484
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H485
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H486
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H487

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H488
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H489
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H490
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H491
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H492
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H493
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H494
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H495
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H496
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H497
P-H	5305-054-6650	SCREW,MACHINE MS51957-26 (96906)		EA	REF				•	•	•	•	•	3-16	H498
P-H	6760-071-7016	CLUTCH,ASSEMBLY 1193C52 (72314)		EA	1				•	•	•	•	•		MP577
P-H	3110-824-2436	BEARING,BALL,ANNULAR FS3KDDFS171 (21335)		EA	1				•	•	•	•	•		MP578
X1-H		CLUTCH,FRICTION 1193-15 (72314)		EA	1									3-16	MP579
M-H		PIN,GROOVE,HEADLESS 1193-696 (72314)		EA	1										MP580
X1-H		PIVOT,SPOOL 1193-618 (72314)		EA	1									3-16	MP581
X2-H		COVER,ACCESS 1214-301 (72314)		EA	1										MP582
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	5				•	•	•	•	•	3-16	H499
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-16	H500
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-16	H501
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-16	H502
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-16	H503
P-O	6760-110-9897	COVER,ASSEMBLY,MAGAZINE 1193C71 (72314)		EA	1	•	•	•	•	•	•	•	•		MP583
X1-O		COVER,MAGAZINE 1193-655 (72314)		EA	1									3-16	MP584
X2-D		GASKET,COVER 1193-660 (72314)		EA	1									3-16	MP585
M-D		PLATE,MENDING 1193-661 (72314)		EA	2										MP586
M-D		PLATE,MENDING 1193-661 (72314)		EA	REF										MP587
X2-D		STRIKE,CATCH 1193-702 (72314)		EA	2										MP588
X2-D		STRIKE,CATCH 1193-702 (72314)		EA	REF										MP589
X2-D	5320-069-0052	RIVET,TUBULAR MS16535-159 (96906)		EA	4										H504
X2-D	5320-069-0052	RIVET,TUBULAR MS16535-159 (96906)		EA	REF										H505

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-D	5320-069-0052	RIVET,TUBULAR MS16535-159 (96906)		EA	REF										H506
X2-D	5320-069-0052	RIVET,TUBULAR MS16535-159 (96906)		EA	REF										H507
P-D	6760-110-9896	COVER ASSEMBLY 1214C12-1 (72314)		EA	2	•	•	•	•	•	•	•	•		MP590
P-D	6760-110-9896	COVER ASSEMBLY 1214C12-1 (72314)		EA	REF	•	•	•	•	•	•	•	•		MP591
X1-D		COVER 1193-627 (72314)		EA	2									3-16	MP592
X1-D		COVER 1193-627 (72314)		EA	REF									3-16	MP593
M-D		DECAL 1177-19 (72314)		EA	2									3-16	MP594
M-D		DECAL 1177-19 (72314)		EA	REF									3-16	MP595
X2-D		GASKET 1193-145-1 (72314)		EA	2									3-16	MP596
X2-D		GASKET 1193-145-1 (72314)		EA	REF									3-16	MP597
M-D		COVER ASSEMBLY 1214C13 (72314)		EA	1										MP598
X1-D		COVER 1214-303 (72314)		EA	1									3-16	MP599
X2-D	6760-112-0520	GASKET 1193-779 (72314)		EA	1									3-16	MP600
P-H	6760-111-2817	FLANGE 1193-620-1 (72314)		EA	1				•	•	•	•	•	3-16	MP601
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	4				•	•	•	•	•	3-16	H508
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-16	H509
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-16	H510
P-H	5305-054-5646	SCREW,MACHINE MS51957-12 (96906)		EA	REF				•	•	•	•	•	3-16	H511
X2-H	6105-168-3693	GASKET 1193-145-2 (72314)		EA	1									3-16	MP602
P-H	6760-071-7017	GEAR,SHAFT,ASSEMBLY 1193C54 (72314)		EA	1				•	•	•	•	•	3-16	MP603
X1-H		GEAR,HUB,ASSEMBLY 1193C53 (72314)		EA	1										MP604
P-H	5315-825-3748	PIN,GROOVED,HEADLESS MS35672-16 (96906)		EA	1				•	•	•	•	•	3-16	MP605
M-H		SHAFT,STRAIGHT 1193-112 (72314)		EA	1									3-16	MP606
P-H	6760-112-0521	GUIDE,FILM 1214-166 (72314)		EA	1				•	•	•	•	•	3-16	MP607
P-H	6760-112-0522	GUIDE,FILM 1214-167 (72314)		EA	1				•	•	•	•	•	3-16	MP608
P-H	6760-112-0528	GUIDE,FILM 1214-169 (72314)		EA	2				•	•	•	•	•	3-16	MP609
P-H	6760-112-0528	GUIDE,FILM 1214-169 (72314)		EA	REF				•	•	•	•	•	3-16	MP610
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	2				•	•	•	•	•	3-16	H512
P-H	5305-763-6960	SCREW,MACHINE MS51959-25 (96906)		EA	REF				•	•	•	•	•	3-16	H513
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	12				•	•	•	•	•	3-16	H514
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				•	•	•	•	•	3-16	H515

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H516
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H517
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H518
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H519
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H520
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H521
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H522
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H523
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H524
P-H	5305-763-6961	SCREW,MACHINE MS51959-26 (96906)		EA	REF				●	●	●	●	●	3-16	H525
P-H	6760-111-6782	GUIDE,FILM 1214-328 (72314)		EA	1				●	●	●	●	●	3-16	MP611
P-H	6760-116-0671	GUIDE,FILM 1214-329 (72314)		EA	1				●	●	●	●	●	3-16	MP612
X2-H		HANDLE,BOW 1193-91 (72314)		EA	1									3-16	MP613
P-H	5305-813-5486	SCREW,SHOULDER 4327 (00141)		EA	2				●	●	●	●	●	3-16	H526
P-H	5305-813-5486	SCREW,SHOULDER 4327 (00141)		EA	REF				●	●	●	●	●	3-16	H527
X2-H		HOUSING,MAGAZINE 1214-23 (72314)		EA	1									3-16	MP614
P-F-S	6760-111-2815	KEEPER BLOCK ASSEMBLY 1214C7 (72314)		EA	1	●	●	●	●	●	●	●	●	3-16	MP615
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	2				●	●	●	●	●	3-16	H528
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				●	●	●	●	●	3-16	H529
P-H	6720-153-0042	ARM,ACTUATOR 1214-291 (72314)		EA	1				●	●	●	●	●	3-18	MP616
P-H	6760-110-9891	ARM,KEEPER 1214-39 (72314)		EA	1				●	●	●	●	●	3-18	MP617
P-H	6760-110-9892	ARM,KEEPER 1214-40 (72314)		EA	1				●	●	●	●	●	3-18	MP618
X2-H		BLOCK,KEEPER 1214-98 (72314)		EA	1									3-18	MP619
X2-H		PIN,SHOULDER,HEADLESS 1193-664 (72314)		EA	1									3-18	MP620
P-H	5315-847-5677	PIN,STRAIGHT,HEADLESS MS16555-626 (96906)		EA	1				●	●	●	●	●	3-18	MP621
M-D		PIN,STRAIGHT,HEADLESS 1214-165 (72314)		EA	2									3-18	MP622
M-D		PIN,STRAIGHT,HEADLESS 1214-165 (72314)		EA	REF									3-18	MP623
M-D		PIN,STRAIGHT,HEADLESS 1214-367 (72314)		EA	4									3-18	MP624
M-D		PIN,STRAIGHT,HEADLESS 1214-367 (72314)		EA	REF									3-18	MP625
M-D		PIN,STRAIGHT,HEADLESS 1214-367 (72314)		EA	REF									3-18	MP626
M-D		PIN,STRAIGHT,HEADLESS 1214-367 (72314)		EA	REF									3-18	MP627

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	6760-112-0523	PIVOT ARM ASSEMBLY 1214C11 (72314)		EA	1				•	•	•	•	•		MP628
X1-H		ARM, ROLLER 1214-287 (72314)		EA	1									3-18	MP629
X1-H		PIN, STRAIGHT, HEADED 1214-288 (72314)		EA	1									3-18	MP630
X1-H		PIN, STRAIGHT, HEADLESS MS16555-603 (96906)		EA	1									3-18	MP631
X1-H		ROLLER 1214-290 (72314)		EA	1									3-18	MP632
X1-H		SHAFT, STRAIGHT 1214-155 (72314)		EA	1									3-18	MP633
X1-H		SHAFT, STRAIGHT 1214-289 (72314)		EA	1									3-18	MP634
P-H	5340-543-3981	RING, RETAINING MS16633-4009 (96906)		EA	1				•	•	•	•	•	3-18	MP635
P-H	5340-866-1471	RING, RETAINING MS16632-4012 (96906)		EA	1				•	•	•	•	•	3-18	MP636
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	8				•	•	•	•	•	3-16	MP637
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP638
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP639
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP640
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP641
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP642
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP643
P-H	5340-725-0969	RING, RETAINING MS16633-4018 (96906)		EA	REF				•	•	•	•	•	3-16	MP644
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	8				•	•	•	•	•	3-18	MP645
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP646
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP647
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP648
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP649
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP650
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP651
P-H	6760-112-0524	ROLLER, KEEPER 1214-124 (72314)		EA	REF				•	•	•	•	•	3-18	MP652
X2-H		SHAFT, STRAIGHT 1214-181 (72314)		EA	4									3-18	MP653
X2-H		SHAFT, STRAIGHT 1214-181 (72314)		EA	REF									3-18	MP654
X2-H		SHAFT, STRAIGHT 1214-181 (72314)		EA	REF									3-18	MP655
X2-H		SHAFT, STRAIGHT 1214-181 (72314)		EA	REF									3-18	MP656
X2-H		SHAFT, STRAIGHT 1214-182 (72314)		EA	2									3-18	MP657
X2-H		SHAFT, STRAIGHT 1214-182 (72314)		EA	REF									3-18	MP658

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
M-H		SHIM F200-2C12 (72314)		EA	1									3-16	MP659
P-H	5365-168-7040	SHIM 1214-220 (72314)		EA	1				●	●	●	●	●	3-16	MP660
P-H	5360-168-7162	SPRING,HELICAL,TORSION 1214-293 (72314)		EA	1				●	●	●	●	●	3-16	MP661
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	8	●	●	●	●	●	●	●	●	3-16	MP662
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP663
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP664
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP665
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP666
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP667
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP668
P-O	5340-811-1555	LATCH,FILM MAGAZINE 30L20-3AB (71286)		EA	REF	●	●	●	●	●	●	●	●	3-16	MP669
P-H	5310-062-0912	NUT,SELF-LOCKING,HEXAGON MS35649-64 (96906)		EA	1				●	●	●	●	●		MP670
P-H	5315-491-0624	PIN,SHOULDER,HEADLESS 1193-643 (72314)		EA	1				●	●	●	●	●	3-16	MP671
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	7				●	●	●	●	●	3-16	MP672
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	REF									3-16	MP673
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	REF									3-16	MP674
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	REF									3-16	MP675
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	REF									3-16	MP676
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	REF									3-16	MP677
X2-H	5315-702-9650	PIN,STRAIGHT,HEADLESS MS16555-602 (96906)		EA	REF									3-16	MP678
X2-H		PIN,STRAIGHT,HEADLESS 1214-147 (72314)		EA	1									3-16	MP679
X2-H		PIN,STRAIGHT,HEADLESS 1214-159 (72314)		EA	1									3-16	MP680
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	2				●	●	●	●	●		H530
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				●	●	●	●	●		H531
X2-H	5310-782-1349	WASHER,FLAT MS15795-804 (96906)		EA	2										H532
X2-H	5310-782-1349	WASHER,FLAT MS15795-804 (96906)		EA	REF										H533
X2-H		PLATE,COVER 1193-20 (72314)		EA	1									3-16	MP681
X2-H		PLATE,COVER 1214-302 (72314)		EA	1									3-16	MP682
M-D		PLATE,IDENTIFICATION 1214-217-2 (72314)		EA	1									3-16	MP683
X2-H		PLATE,RETAINING 1193-698 (72314)		EA	2									3-16	MP684
X2-H		PLATE,RETAINING 1193-698 (72314)		EA	REF									3-16	MP685

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
A-F-S		PLATE,PRESSURE ASSEMBLY 1214C8 (72314)		EA	1									3-16	MP686
P-H	5305-182-7331	SCREW,SHOULDER 1214-179 (72314)		EA	2				•	•	•	•	•	3-16	H534
P-H	5305-182-7331	SCREW,SHOULDER 1214-179 (72314)		EA	REF				•	•	•	•	•	3-16	H535
P-H	6760-111-6783	GUIDE,FILM 1214-143 (72314)		EA	1				•	•	•	•	•	3-17	MP687
P-H	6760-111-6787	GUIDE,FILM 1214-144 (72314)		EA	1				•	•	•	•	•	3-17	MP688
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	4				•	•	•	•	•	3-17	H536
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-17	H537
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-17	H538
P-H	5305-054-5647	SCREW,MACHINE MS51957-13 (96906)		EA	REF				•	•	•	•	•	3-17	H539
P-H	5315-182-6240	PIN,SHOULDER,HEADED 1214-131 (72314)		EA	1				•	•	•	•	•	3-17	MP689
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	4				•	•	•	•	•	3-17	MP690
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	REF				•	•	•	•	•	3-17	MP691
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	REF				•	•	•	•	•	3-17	MP692
P-H	5315-817-0889	PIN,STRAIGHT,HEADLESS MS16555-601 (96906)		EA	REF				•	•	•	•	•	3-17	MP693
P-H	6760-110-9893	PLATE,PRESSURE 1214-132 (72314)		EA	1				•	•	•	•	•	3-17	MP694
P-H	6760-110-9894	PLATE,PRESSURE 1214-142 (72314)		EA	1				•	•	•	•	•	3-17	MP695
P-H	5340-598-1138	RING,RETAINING MS16633-4012 (96906)		EA	1				•	•	•	•	•	3-17	MP696
P-H	5360-168-7079	SPRING,HELICAL,COMPRESSION 1214-139 (72314)		EA	1				•	•	•	•	•	3-17	MP697
P-H	5310-182-6226	WASHER,FLAT S128SP031P437 (72314)		EA	1				•	•	•	•	•	3-17	MP698
P-H	5310-182-6210	WASHER,SPRING,TENSION 1214-133 (72314)		EA	1				•	•	•	•	•	3-17	MP699
X2-H	5310-182-6222	WASHER,RECESSED 1214-164 (72314)		EA	1									3-17	MP700
A-F-S		PRESSURE ROLLER ASSEMBLY 1214C6 (72314)		EA	1									3-16	MP701
P-H	3110-489-2485	BEARING,BALL,ANNULAR SPR1683MMK25 (83086)		EA	2				•	•	•	•	•	3-16	MP702
P-H	3110-489-2485	BEARING,BALL,ANNULAR SPR1683MMK25 (83086)		EA	REF				•	•	•	•	•	3-16	MP703
P-H	3120-182-8217	BUSHING,SLEEVE 1193-715 (72314)		EA	2				•	•	•	•	•	3-19	MP704
P-H	3120-182-8217	BUSHING,SLEEVE 1193-715 (72314)		EA	REF				•	•	•	•	•	3-19	MP705
P-H	6760-111-6786	GUIDE,FILM 1214-207 (72314)		EA	1				•	•	•	•	•	3-19	MP706
P-H	6760-111-6785	GUIDE,FILM 214-209 (72314)		EA	1				•	•	•	•	•	3-19	MP707
P-H	5305-054-5636	SCREW,MACHINE MS51957-2 (96906)			2				•	•	•	•	•	3-19	H540
P-H	5305-054-5636	SCREW,MACHINE MS51957-2 (96906)			REF				•	•	•	•	•	3-19	H541
P-H	6760-110-9895	ROLLER,FILM 1214-284 (72314)		EA	1				•	•	•	•	•	3-19	MP708

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	6760-110-9899	ROLLER,FOLLOWER 1214-162 (72314)		EA	1				•	•	•	•	•	3-19	MP709
P-H	5315-168-2930	PIN,STRAIGHT,HEADLESS 1214-319 (72314)		EA	2				•	•	•	•	•	3-19	MP710
P-H	5315-168-2930	PIN,STRAIGHT,HEADLESS 1214-319 (72314)		EA	REF				•	•	•	•	•	3-19	MP711
P-H	5365-168-7043	SPACER,SLEEVE S250AB200H312 (72314)		EA	1				•	•	•	•	•	3-19	MP712
P-H	5305-989-9842	SPACER,SLEEVE S250AB250H312 (72314)		EA	1				•	•	•	•	•	3-19	MP713
X2-H	5305-989-9842	SETSCREW NAS1081C04A4 (80205)		EA	1									3-19	MP714
X2-H		SHAFT,STRAIGHT 1193-693 (72314)		EA	1									3-19	MP715
P-H	5365-168-7039	SHIM F200-2C75 (72314)		EA	3				•	•	•	•	•	3-19	MP716
P-H	5365-168-7039	SHIM F200-2C75 (72314)		EA	REF				•	•	•	•	•	3-19	MP717
P-H	5365-168-7039	SHIM F200-2C75 (72314)		EA	REF				•	•	•	•	•	3-19	MP718
X2-H		YOKE,ROLLER 1214-172 (72314)		EA	1									3-19	MP719
P-H		RING,RETAINING MS16624-4018 (96906)		EA	1				•	•	•	•	•		MP720
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	1				•	•	•	•	•	3-16	MP721
P-H	5340-205-6552	RING,RETAINING MS16633-4025 (96906)		EA	1				•	•	•	•	•	3-16	MP722
P-H	6760-110-9898	ROCKER ARM ASSEMBLY 1214C10 (72314)		EA	1				•	•	•	•	•		MP723
X1-H		ARM,ROCKER 1214-177 (72314)		EA	1									3-16	MP724
P-H	5315-273-8015	PIN,GROOVED,HEADLESS MS35672-7 (96906)		EA	1				•	•	•	•	•	3-16	MP725
X1-H		PIN,STRAIGHT,HEADED 1214-178 (72314)		EA	2									3-16	MP726
X1-H		PIN,STRAIGHT,HEADED 1214-178 (72314)		EA	REF									3-16	MP727
X1-H		SHAFT,STRAIGHT 1214-156 (72314)		EA	1									3-16	MP728
M-H		SCREW,MACHINE 1214-409 (72314)		EA	1										MP729
P-H-S	6760-112-0531	SHAFT,ADAPTER,ASSEMBLY 1193C66 (72314)		EA	1				•	•	•	•	•		MP730
X1-H		ADAPTER,ROLLER 1193-641 (72314)		EA	1									3-16	MP731
P-H	3110-824-2435	BEARING,BALL,ANNULAR SR1683MMK25 (83086)		EA	2				•	•	•	•	•	3-16	MP732
P-H	3110-824-2435	BEARING,BALL,ANNULAR SR1683MMK25 (83086)		EA	REF				•	•	•	•	•	3-16	MP733
P-H	5315-722-6591	PIN,GROOVED,HEADLESS MS35672-16 (96906)		EA	1				•	•	•	•	•	3-16	MP734
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	1				•	•	•	•	•	3-16	MP735
P-H	6760-110-9900	ROLLER,FILM 1193-644 (72314)		EA	1				•	•	•	•	•	3-16	MP736
X2-H		SHAFT,STRAIGHT 1193-639 (72314)		EA	1									3-16	MP737
P-H	6760-071-9352	WASHER,FLAT 1193-681-2 (72314)		EA	1				•	•	•	•	•	3-16	MP738
P-H-S	6760-112-0526	SHAFT,ADAPTER,ASSEMBLY 1193C67 (72314)		EA	1				•	•	•	•	•	3-16	MP739

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	2				•	•	•	•	•	3-16	H542
P-H	5305-054-5648	SCREW,MACHINE MS51957-14 (96906)		EA	REF				•	•	•	•	•	3-16	H543
P-H	5310-880-5976	WASHER,FLAT MS15795-806 (96906)		EA	2				•	•	•	•	•	3-16	H544
P-H	5310-880-5976	WASHER,FLAT MS15795-806 (96906)		EA	REF				•	•	•	•	•	3-16	H545
X1-H		ADAPTER,ROLLER 1193-641 (72314)		EA	1									3-16	MP740
P-H	3110-824-2435	BEARING,BALL,ANNULAR SR1683MMK25 (83086)		EA	2				•	•	•	•	•		MP741
P-H	3110-824-2435	BEARING,BALL,ANNULAR SR1683MMK25 (83086)		EA	REF				•	•	•	•	•		MP742
P-H	5315-722-6591	PIN,GROOVED,HEADLESS MS35672-16 (96906)		EA	1				•	•	•	•	•	3-16	MP743
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	1				•	•	•	•	•	3-16	MP744
P-H	6760-071-9353	ROLLER,FILM 1193-692 (72314)		EA	1				•	•	•	•	•	3-16	MP745
X2-H		SHAFT,STRAIGHT 1193-640 (72314)		EA	1									3-16	MP746
P-H	6760-071-9352	WASHER,FLAT 1193-681-2 (72314)		EA	1				•	•	•	•	•	3-16	MP747
M-D		SHIELD,LIGHT 1214-161 (72314)		EA	1									3-16	MP748
P-H	6760-901-7322	SHIM F200-1C55 (72314)		EA	2				•	•	•	•	•	3-16	MP749
P-H	6760-901-7322	SHIM F200-1C55 (72314)		EA	REF				•	•	•	•	•	3-16	MP750
P-H	5340-903-8482	SHIM F200-2C55 (72314)		EA	2				•	•	•	•	•	3-16	MP751
P-H	5340-903-8482	SHIM F200-2C55 (72314)		EA	REF				•	•	•	•	•	3-16	MP752
P-H	5365-168-7038	SHIM F200-2C63 (72314)		EA	1				•	•	•	•	•	3-16	MP753
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	4				•	•	•	•	•	3-16	MP754
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	REF				•	•	•	•	•	3-16	MP755
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	REF				•	•	•	•	•	3-16	MP756
P-H	6760-923-3054	SHIM F200-2C74 (72314)		EA	REF				•	•	•	•	•	3-16	MP757
P-H	5365-168-7149	SPACER,SLEEVE S190SP10BH437 (72314)		EA	1				•	•	•	•	•	3-16	MP758
P-H	6760-072-6256	SPINDLE,ASSEMBLY 1193C64 (72314)		EA	2				•	•	•	•	•		MP759
P-H	6760-072-6256	SPINDLE,ASSEMBLY 1193C64 (72314)		EA	REF				•	•	•	•	•		MP760
P-H	3110-489-2485	BEARING,BALL,ANNULAR SFR1683MMK25 (83086)		EA	4				•	•	•	•	•	3-19	MP761
P-H	3110-489-2485	BEARING,BALL,ANNULAR SFR1683MMK25 (83086)		EA	REF				•	•	•	•	•	3-19	MP762
P-H	3110-489-2485	BEARING,BALL,ANNULAR SFR1683MMK25 (83086)		EA	REF				•	•	•	•	•	3-19	MP763
P-H	3110-489-2485	BEARING,BALL,ANNULAR SFR1683MMK25 (83086)		EA	REF				•	•	•	•	•	3-19	MP764
X2-H		KNOB,ASSEMBLY 1193C63 (72314)		EA	2									3-16	MP765
X2-H		KNOB,ASSEMBLY 1193C63 (72314)		EA	REF									3-16	MP766

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION		(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE			(7) 30 DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
		REFERENCE NUMBER & MFR CODE	USABLE ON CODE			(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X1-H		PIN,GROOVE,HEADLESS 1193-696 (72314)		EA	2									3-16	MP767
X1-H		PIN,GROOVE,HEADLESS 1193-696 (72314)		EA	REF									3-16	MP768
X1-H		PIVOT,SPOOL 1193-618 (72314)		EA	2									3-16	MP769
X1-H		PIVOT,SPOOL 1193-618 (72314)		EA	REF									3-16	MP770
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	2				•	•	•	•	•	3-16	MP771
P-H	5340-298-6564	RING,RETAINING MS16624-4025 (96906)		EA	REF				•	•	•	•	•	3-16	MP772
X2-H		SHAFT,STRAIGHT 1193-642 (72314)		EA	2									3-16	MP773
X2-H		SHAFT,STRAIGHT 1193-642 (72314)		EA	REF									3-16	MP774
X2-H	6760-923-3053	SHIM F200-2C73 (72314)		EA	2									3-16	MP775
X2-H	6760-923-3053	SHIM F200-2C73 (72314)		EA	REF									3-16	MP776
P-H	6760-071-9352	WASHER,FLAT 1193-681-2 (72314)		EA	2				•	•	•	•	•	3-16	MP777
P-H	6760-071-9352	WASHER,FLAT 1193-681-2 (72314)		EA	REF				•	•	•	•	•	3-16	MP778
P-F	6760-909-8067	SPOOL,FILM 1093-171 (72314)		EA	1	•	•	•	•	•	•	•	•	3-16	MP779
P-H	5360-168-7084	SPRING,HELICAL,COMPRESSION 1214-190 (72314)		EA	1				•	•	•	•	•	3-16	MP780
P-H	5340-780-1792	SPRING,HELICAL,EXTENSION MS24585-83 (96906)		EA	2				•	•	•	•	•	3-16	MP781
P-H	5340-780-1792	SPRING,HELICAL,EXTENSION MS24585-83 (96906)		EA	REF				•	•	•	•	•	3-16	MP782
P-H	5360-112-0527	SPRING,LEAF 1214-184 (72314)		EA	2				•	•	•	•	•	3-16	MP783
P-H	5360-112-0527	SPRING,LEAF 1214-184 (72314)		EA	REF				•	•	•	•	•	3-16	MP784
P-H	6760-112-0529	SPRING,LEAF 1214-185 (72314)		EA	1				•	•	•	•	•	3-16	MP785
P-H	6760-112-0525	SPROCKET ASSEMBLY 1214C2 (72314)		EA	1				•	•	•	•	•		MP786
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	1				•	•	•	•	•		MP787
X2-H		GEAR,SPUR 1193-621 (72314)		EA	1									3-16	MP788
P-H	5315-273-8016	PIN,GROOVED,HEADLESS MS35672-17 (96906)		EA	2				•	•	•	•	•	3-16	MP789
P-H	5315-273-8016	PIN,GROOVED,HEADLESS MS35672-17 (96906)		EA	REF				•	•	•	•	•	3-16	MP789A
X2-H	5315-815-1391	PIN,GROOVED,HEADLESS MS35672-19 (96906)		EA	1									3-16	MP790
X2-H		PLATE,RETAINING,BEARING 1214-125 (72314)		EA	1									3-16	MP791
X2-H		PULLEY,ASSEMBLY 1193C58 (72314)		EA	1									3-16	MP792
X1-H		SHAFT,STRAIGHT 1193-111 (72314)		EA	1									3-16	MP793
X2-H		SPACER,RING 1193-682-1 (72314)		EA	1									3-16	MP794
X2-H		SPACER,RING 1193-682-2 (72314)		EA	1									3-16	MP795
X2-H		SPROCKET 1193-745-4 (72314)		EA	1									3-16	MP796

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30 DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30 DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	6760-112-0530	SPROCKET ASSEMBLY 1214C3 (72314)		EA	1				•	•	•	•	•	3-16	MP797
P-H		BEARING,BALL,ANNULAR SFR1883MMK25 (83086)		EA	1				•	•	•	•	•		MP798
X2-H		GEAR,SPUR 1214-140 (72314)		EA	1									3-16	MP799
P-H	5315-273-8016	PIN,GROOVED,HEADLESS MS35672-17 (96906)		EA	1				•	•	•	•	•	3-16	MP800
X2-H	5315-815-1391	PIN,GROOVED,HEADLESS MS35672-19 (96906)		EA	1									3-16	MP801
P-H	5315-187-3241	PIN,TAPERED,PLAIN F114-50-8 (72314)		EA	1				•	•	•	•	•	3-16	MP802
X2-H		PLATE,RETAINING,BEARING 1214-125 (72314)		EA	1									3-16	MP803
X2-H		PULLEY,ASSEMBLY 1193C57 (72314)		EA	1									3-16	MP804
X1-H		SHAFT,STRAIGHT 1193-113 (72314)		EA	1									3-16	MP805
X2-H		SPACER,RING 1193-682-1 (72314)		EA	1										MP806
X2-H		SPROCKET 1193-745-3 (72314)		EA	1									3-16	MP807
M-D		STRIPPER 1214-183 (72314)		EA	1									3-16	MP808
P-F	5305-054-6649	SCREW,MACHINE MS51957-25 (96906)		EA	2	•	•	•	•	•	•	•	•		H546
P-F	5305-054-6649	SCREW,MACHINE MS51957-25 (96906)		EA	REF	•	•	•	•	•	•	•	•		H547
P-H	5310-182-6218	WASHER,SLOTTED 1214-148 (72314)		EA	2				•	•	•	•	•	3-16	MP809
P-H	5310-182-6218	WASHER,SLOTTED 1214-148 (72314)		EA	REF				•	•	•	•	•	3-16	MP810
G-O-S	6720-400-2590	CONTROL PANEL LA-428A 1214D33 (72314)		EA	1										4
X2-H		CHASSIS ASSEMBLY 1214D40 (72314)		EA	1										4MP1
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	4				•	•	•	•	•	6-5	4H1
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	6-5	4H2
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	6-5	4H3
P-H	5305-054-6655	SCREW,MACHINE MS51957-31 (96906)		EA	REF				•	•	•	•	•	6-5	4H4
P-H	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	4				•	•	•	•	•	6-5	4H5
P-H	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF				•	•	•	•	•	6-5	4H6
P-H	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF				•	•	•	•	•	6-5	4H7
P-H	5305-054-6651	SCREW,MACHINE MS51957-27 (96906)		EA	REF				•	•	•	•	•	6-5	4H8
P-H	5925-111-1730	CIRCUIT BREAKER MS9019-1-19 (81349)		EA	1				•	•	•	•	•	6-5	4CB1
P-P-S		CIRCUIT CARD ASSEMBLY 1214D37 (72314)		EA	1	•	•	•	•	•	•	•	•	6-5	4A1
P-H		CAPACITOR,FIXED,ELECTROLYTIC 110D206X8250R1 (56289)		EA	1				•	•	•	•	•	6-3	4A1C1
X2-H		HEAT SINK,ELECTRICAL COMPONENT 1214-390 (72314)		EA	2									6-5	4A1MP2
X2-H		HEAT SINK,ELECTRICAL COMPONENT 1214-390 (72314)		EA	REF									6-5	4A1MP3

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)		EA	4										4A1H9
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)		EA	REF										4A1H10
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)		EA	REF										4A1H11
X2-H		NUT, PLAIN, HEXAGON MS35469-44 (96906)		EA	REF										4A1H12
X2-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)		EA	3										4A1H13
X2-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)		EA	REF										4A1H14
X2-H	5305-054-5650	SCREW, MACHINE MS51957-16 (96906)		EA	REF										4A1H15
X2-H	5305-054-5649	SCREW, MACHINE MS51957-15 (96906)		EA	1										4A1H16
X2-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	4									6-5	4A1H17
X2-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	REF									6-5	4A1H18
X2-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	REF									6-5	4A1H19
X2-H	5310-595-6211	WASHER, FLAT MS15795-803 (96906)		EA	REF									6-5	4A1H20
X1-H		PRINTED WIRING BOARD ASSEMBLY 1214D42 (72314)		EA	1										4A1MP4
P-H	5905-171-2004	RESISTOR, FIXED, COMPOSITION RC20GF223J (81349)		EA	1				•	•	•	•	•	6-3	4A1R19
P-H	5905-882-7888	RESISTOR, FIXED, FILM RN60C1240F (81349)		EA	1				•	•	•	•	•	6-3	4A1R14
P-H	5905-061-2251	RESISTOR, FIXED, FILM RN60C88R7F (81349)		EA	1				•	•	•	•	•	6-3	4A1R18
P-H	5905-269-3277	RESISTOR, FIXED, FILM RN60D21R5F (81349)		EA	1				•	•	•	•	•	6-3	4A1R17
P-H	5905-079-3176	RESISTOR, FIXED, FILM RN60D30R1F (81349)		EA	1				•	•	•	•	•	6-3	4A1R16
P-H	5905-087-8408	RESISTOR, FIXED, FILM RN60D37R4F (81349)		EA	1				•	•	•	•	•	6-3	4A1R15
P-H	5905-752-3369	RESISTOR, FIXED, FILM RN70C2870F (81349)		EA	1				•	•	•	•	•	6-3	4A1R12
P-H	5905-926-2758	RESISTOR, FIXED, FILM RN70C3240F (81349)		EA	1				•	•	•	•	•	6-3	4A1R9
P-H	5905-681-4940	RESISTOR, FIXED, FILM RN70C4020F (81349)		EA	3				•	•	•	•	•	6-3	4A1R7
P-H	5905-681-4940	RESISTOR, FIXED, FILM RN70C4020F (81349)		EA	REF				•	•	•	•	•	6-3	4A1R10
P-H	5905-681-4940	RESISTOR, FIXED, FILM RN70C4020F (81349)		EA	REF				•	•	•	•	•	6-3	4A1R11
P-H	5905-752-3815	RESISTOR, FIXED, FILM RN70C4120F (81349)		EA	1				•	•	•	•	•	6-3	4A1R13
P-H	5905-834-0019	RESISTOR, FIXED, FILM RN70C4640F (81349)		EA	1				•	•	•	•	•	6-3	4A1R8
P-H	5905-855-2544	RESISTOR, FIXED, WIREWOUND RW67V222 (81349)		EA	1				•	•	•	•	•	6-3	4A1R2
P-H	5905-061-2089	RESISTOR, FIXED, WIREWOUND RW69V510 (81349)		EA	1				•	•	•	•	•	6-3	4A1R20
P-H	5905-044-2229	RESISTOR, FIXED, WIREWOUND RW69V561 (81349)		EA	1				•	•	•	•	•	6-3	4A1R1
P-H	5905-902-1208	RESISTOR, FIXED, WIREWOUND RW70U1001F (81349)		EA	1				•	•	•	•	•	6-3	4A1R6
P-H	5905-916-7736	RESISTOR, FIXED, WIREWOUND RW74U9091F (81349)		EA	1				•	•	•	•	•	6-3	4A1R3

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO OR REFERENCE DESIGNATION
P-H	5905-067-9079	RESISTOR, VARIABLE RT22C2P102 (81349)		EA	1				●	●	●	●	●	6-3	4A1R4
P-H	5961-883-8906	SEMICONDUCTOR DEVICE, DIODE 1N3016B (81349)		EA	1				●	●	●	●	●	6-3	4A1VR1
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)		EA	5				●	●	●	●	●	6-3	4A1CR1
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)		EA	REF				●	●	●	●	●	6-3	4A1CR2
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)		EA	REF				●	●	●	●	●	6-3	4A1CR3
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)		EA	REF				●	●	●	●	●	6-3	4A1CR4
P-H	5961-723-3602	SEMICONDUCTOR DEVICE, DIODE 1N3612 (81349)		EA	REF				●	●	●	●	●	6-3	4A1CR5
P-H		TRANSFORMER, POWER 10615 (10581)		EA	1				●	●	●	●	●	6-3	4A1T1
P-H		TRANSISTOR 1214-394 (72314)		EA	2				●	●	●	●	●	6-3	4A1Q1
P-H		TRANSISTOR 1214-394 (72314)		EA	REF				●	●	●	●	●	6-3	4A1Q2
P-H	5935-917-0336	CONNECTOR, RECEPTACLE, ELECTRICAL MS90335-1 (96906)		EA	1				●	●	●	●	●	6-5	4J3
X2-H		COVER ASSEMBLY 1214D36 (72314)		EA	1										4MP5
X1-H		COVER 1214-381 (72314)		EA	1									6-5	4MP6
X2-H		CUSHION 1214-421 (72314)		EA	1									6-5	4MP7
X2-H	5305-105-9449	SCREW, PANEL FASTENER 12-21-102-26 (94222)		EA	2									6-5	4MP7
X2-H	5305-105-9449	SCREW, PANEL FASTENER 12-21-102-26 (94222)		EA	REF										4MP8
X2-H		WASHER, PANEL, SCREW 12-11014-26 (94222)		EA	2									6-5	4MP9
X2-H		WASHER, PANEL, SCREW 12-11014-26 (94222)		EA	REF										4MP10
P-H		FILTER, RADIO INTERFERENCE 1150-621 (72314)		EA	1				●	●	●	●	●	6-5	4FL1
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)		EA	4				●	●	●	●	●	6-5	4H17
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)		EA	REF				●	●	●	●	●	6-5	4H18
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)		EA	REF				●	●	●	●	●	6-5	4H19
P-H	5305-770-2533	SCREW, MACHINE MS51959-13 (96906)		EA	REF				●	●	●	●	●	6-5	4H20
P-F	5355-579-6390	KNOB MS91528-2F2B (96906)		EA	1	●	●	●	●	●	●	●	●	6-5	4MP11
P-O	6240-682-3411	LAMP, GLOW NE51H (72619)		EA	1	●	●	●	●	●	●	●	●	6-5	4DS1
P-F	6210-295-1909	LIGHT, INDICATOR MS25331-4 (96906)		EA	1	●	●	●	●	●	●	●	●		4XDS1
P-F	6720-155-4153	PANEL, EDGELIT 1214-376 (72314)		EA	1	●	●	●	●	●	●	●	●	6-5	4MP12
X2-H		PLATE ASSEMBLY 1214D34 (72314)		EA	1										4MP13
X1-H		PLATE, MOUNTING 1214-378 (72314)		EA	1									6-5	4MP14
M-H		SHIELDING, GASKET, ELECTRONIC 10-499 (12881)		FT	1									6-5	4MP15
X2-H	5325-351-4597	STUD, TURNLOCK, FASTENER PFSC3-1-2-38A (72794)		EA	4										4MP16

SECTION II REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (Continued)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1 YR ALW PER EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100	(10) ILLUSTRATIONS (a) FIG NO	(b) ITEM NO. OR REFERENCE DESIGNATION
X2-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-38A (72794)		EA	REF									6-5	4H18
X2-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-38A (72794)		EA	REF									6-5	4H19
X2-H	5325-351-4597	STUD,TURNLOCK,FASTENER PFSC3-1-2-38A (72794)		EA	REF									6-5	4H20
A-D		PLATE,IDENTIFICATION 1214-217-8 (72314)		EA	1										4MP20
X2-H	5320-721-5239	RIVET,TUBULAR MS16535-153 (96906)		EA	2										4H21
X2-H	5320-721-5239	RIVET,TUBULAR MS16535-153 (96906)		EA	REF										4H22
P-H	6760-860-5902	SHIELDING,GASKET,ELECTRONIC 42-488 (12881)		EA	1				•	•	•	•	•	6-5	4MP21
P-H		SWITCH,ROTARY 44MS30-01-1-12N (81073)		EA	1				•	•	•	•	•	6-5	4S2
A-H		WIRING HARNESS 1214D41 (72314)		EA	1										4W1
P-H	5310-939-0849	NUT,SELF-LOCKING,HEXAGON MS21083C04 (96906)		EA	2				•	•	•	•	•	6-5	4H23
P-H	5310-939-0849	NUT,SELF-LOCKING,HEXAGON MS21083C04 (96906)		EA	REF				•	•	•	•	•	6-5	4H24
P-H	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)		EA	4				•	•	•	•	•		4H25
P-H	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)		EA	REF				•	•	•	•	•		4H26
P-H	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)		EA	REF				•	•	•	•	•		4H27
P-H	5310-925-9646	NUT,SELF-LOCKING,HEXAGON MS21083C06 (96906)		EA	REF				•	•	•	•	•		4H28
P-H	5305-054-5651	SCREW,MACHINE MS51957-17 (96906)		EA	2				•	•	•	•	•	6-5	4H29
P-H	5305-054-5651	SCREW,MACHINE MS51957-17 (96906)		EA	REF				•	•	•	•	•	6-5	4H30
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	4				•	•	•	•	•	6-5	4H31
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF				•	•	•	•	•	6-5	4H32
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF				•	•	•	•	•	6-5	4H33
P-H	5305-054-6652	SCREW,MACHINE MS51957-28 (96906)		EA	REF				•	•	•	•	•	6-5	4H34
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	2				•	•	•	•	•	6-5	4H35
P-H	5310-595-6211	WASHER,FLAT MS15795-803 (96906)		EA	REF				•	•	•	•	•	6-5	4H36
P-H		CONNECTOR,PLUG,ELECTRICAL 1214-117 (72314)		EA	1				•	•	•	•	•	6-5	4W1J2
X2-H		KEY,POLARIZING PCMB2M-1 (09922)		EA	1										4W1MP1
A-H-S		WIRING HARNESS 1214D44 (72314)		EA	1										4W1MP2
P-H	5935-926-0682	CONNECTOR,RECEPTACLE,ELECTRICAL MS3127E14-19P (96906)		EA	1				•	•	•	•	•	6-5	4W1J1
P-H		CONTACT,ELECTRICAL M3192A20A (96906)		EA	19				•	•	•	•	•		4W1J1E1
P-O	6760-182-4913	MOUNTING,ASSY 1193D64 (72314)		EA	1	•	•	•	•	•	•	•	•	6-5	4MP22

SECTION III SPECIAL TOOLS, TEST & SUPPORT EQUIPMENT FOR DIRECT SUPPORT, GENERAL SUPPORT & DEPOT MAINTENANCE

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE	(3) USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8) 1 YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATIONS	
						(a) 1-20	(b) 21-50	(c) 51-100	(a) 1-20	(b) 21-50	(c) 51-100			(a) FIG NO.	(b) ITEM NO. OR REFERENCE DESIGNATION
0-0-S	6760-922-2680	TEST SET, CAMERA LS-86A: USED TO TEST CAMERA KA-60C 1214H1 (72314)		EA	1										

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
3010-185-6806	3-3	1A1A1MP51
3010-497-1621	3-3	1A1A1MP50
3020-118-8745	3-4	1A1MP350
3020-238-5277	3-7	1A1MP198
3020-463-3624	3-4	1A1MP192
3020-471-3122	3-4	1A1MP193
3020-480-1155	3-7	1A1MP197
3020-480-7375	3-4	1A1MP162
3030-126-8928	3-4	1A1MP124
3030-126-8929	3-4	1A1MP125
3030-982-8174	3-13	MP563
3040-419-9031	3-3	1A1A1MP88
3040-459-3087	3-4	1A1MP166
3040-491-3195	3-4	1A1MP196
3040-493-8678	3-3	1A1A1MP89
3110-019-6390		1A1A1MP33
3110-019-6390	3-3	1A1A1MP20
3110-278-7333	3-4	1A1MP146
3110-489-2485	3-16	MP702
3110-489-2485	3-16	MP703
3110-489-2485	3-19	MP761
3110-489-2485	3-19	MP762
3110-489-2485	3-19	MP763
3110-489-2485	3-19	MP764
3110-516-5267	4-14	1A1A3B1MP232
3110-516-5267	4-14	1A1A3B1MP233
3110-682-4598	3-4	1A1MP129
3110-722-0999	3-3	1A1A1MP16
3110-722-0999	3-3	1A1A1MP17
3110-787-8902	3-4	1A1MP148
3110-787-8902	3-4	1A1MP149
3110-787-8902	3-4	1A1MP154
3110-824-2435		MP741
3110-824-2435		MP742
3110-824-2435	3-16	MP732
3110-824-2435	3-16	MP733
3110-824-2436		MP578
3110-939-9154	3-4	1A1MP147
3120-182-8217	3-19	MP704
3120-182-8217	3-19	MP705
3120-182-8261	3-3	1A1A1MP24
3120-182-8261	3-3	1A1A1MP25
5305-054-5635		1A2A6H263
5305-054-5635		1A2A6H264
5305-054-5635	3-4	1A1H1
5305-054-5637	3-3	1A1A1H31
5305-054-5637	3-3	1A1A1H32
5305-054-5637	3-3	1A1A1H33
5305-054-5637	3-16	H453
5305-054-5646		1A1A3B1H162
5305-054-5646	3-3	1A1A1H34
5305-054-5646	3-3	1A1A1H35
5305-054-5646	3-3	1A1A1H36
5305-054-5646	3-3	1A1A1H37
5305-054-5646	3-3	1A1A1H38
5305-054-5646	3-4	1A1H176
5305-054-5646	3-4	1A1H177
5305-054-5646	3-4	1A1H178
5305-054-5646	3-4	1A1H179
5305-054-5646	3-4	1A1H180
5305-054-5646	3-4	1A1H181
5305-054-5646	3-4	1A1H182
5305-054-5646	3-4	1A1H183
5305-054-5646	3-4	1A1H184

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-5646	3-4	1A1H185
5305-054-5646	3-8	1A2H298
5305-054-5646	3-8	1A2H299
5305-054-5646	3-10	1A2A2H320
5305-054-5646	3-10	1A2A2H321
5305-054-5646	3-10	1A2A2H322
5305-054-5646	3-10	1A2A2H323
5305-054-5646	3-10	1A2A2H324
5305-054-5646	3-10	1A2A2H325
5305-054-5646	3-10	1A2A2H326
5305-054-5646	3-10	1A2A2H327
5305-054-5646	3-10	1A2A2H328
5305-054-5646	3-10	1A2A2H329
5305-054-5646	3-10	1A2A2H330
5305-054-5646	3-10	1A2A2H331
5305-054-5646	3-16	H508
5305-054-5646	3-16	H509
5305-054-5646	3-16	H510
5305-054-5646	3-16	H511
5305-054-5646	3-19	H540
5305-054-5646	3-19	H541
5305-054-5647		H530
5305-054-5647		H531
5305-054-5647	3-3	1A1A1H10
5305-054-5647	3-3	1A1A1H11
5305-054-5647	3-3	1A1A1H12
5305-054-5647	3-3	1A1A1H13
5305-054-5647	3-3	1A1A1H14
5305-054-5647	3-3	1A1A1H15
5305-054-5647	3-3	1A1A1H16
5305-054-5647	3-3	1A1A1H17
5305-054-5647	3-3	1A1A1H18
5305-054-5647	3-3	1A1A1H19
5305-054-5647	3-3	1A1A1H20
5305-054-5647	3-3	1A1A1H9
5305-054-5647	3-7	1A1H131
5305-054-5647	3-7	1A1H132
5305-054-5647	3-7	1A1H133
5305-054-5647	3-7	1A1H134
5305-054-5647	3-7	1A1H135
5305-054-5647	3-7	1A1H136
5305-054-5647	3-7	1A1H137
5305-054-5647	3-10	1A2A2H304
5305-054-5647	3-10	1A2A2H305
5305-054-5647	3-10	1A2A2H306
5305-054-5647	3-10	1A2A2H307
5305-054-5647	3-10	1A2A2H308
5305-054-5647	3-10	1A2A2H309
5305-054-5647	3-10	1A2A2H310
5305-054-5647	3-10	1A2A2H311
5305-054-5647	3-10	1A2A2H312
5305-054-5647	3-10	1A2A2H313
5305-054-5647	3-10	1A2A2H314
5305-054-5647	3-10	1A2A2H315
5305-054-5647	3-10	1A2A2H316
5305-054-5647	3-16	H441
5305-054-5647	3-16	H442
5305-054-5647	3-16	H443
5305-054-5647	3-16	H444
5305-054-5647	3-16	H445
5305-054-5647	3-16	H446
5305-054-5647	3-16	H447
5305-054-5647	3-16	H448
5305-054-5647	3-16	H449

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-5647	3-16	H450	5305-054-5650		4A1H15
5305-054-5647	3-16	H451	5305-054-5650	3-8	1A1A1H50
5305-054-5647	3-16	H452	5305-054-5650	3-8	1A1A1H51
5305-054-5647	3-16	H536	5305-054-5650	3-3	1A2H253
5305-054-5647	3-16	H537	5305-054-5650	3-3	1A2H254
5305-054-5647	3-16	H538	5305-054-5650	3-8	1A2H255
5305-054-5647	3-16	H539	5305-054-5650	3-13	1A3H437
5305-054-5648	3-4	1A1H164	5305-054-5650	3-13	1A3H438
5305-054-5648	3-4	1A1H165	5305-054-5651	6-5	4H29
5305-054-5648	3-4	1A1H166	5305-054-5651	6-5	4H30
5305-054-5648	3-4	1A1H167	5305-054-6649		H546
5305-054-5648	3-4	1A1H168	5305-054-6649		H547
5305-054-5648	3-4	1A1H169	5305-054-6649	3-4	1A1H99
5305-054-5648	3-4	1A1H170	5305-054-6649	3-4	1A1H100
5305-054-5648	3-4	1A1H171	5305-054-6649	3-4	1A1H101
5305-054-5648	3-16	H499	5305-054-6649	3-4	1A1H102
5305-054-5648	3-16	H500	5305-054-6650		1A1H151
5305-054-5648	3-16	H501	5305-054-6650		1A1H152
5305-054-5648	3-16	H502	5305-054-6650	3-4	1A1H83
5305-054-5648	3-16	H503	5305-054-6650	3-4	1A1H84
5305-054-5648	3-16	H542	5305-054-6650	3-4	1A1H85
5305-054-5648	3-16	H543	5305-054-6650	3-4	1A1H86
5305-054-5649		1A1H77	5305-054-6650	3-4	1A1H87
5305-054-5649		4A1H16	5305-054-6650	3-4	1A1H88
5305-054-5649	3-14	1A3A1H411	5305-054-6650	3-4	1A1H89
5305-054-5649	3-14	1A3A1H412	5305-054-6650	3-4	1A1H90
5305-054-5649	3-14	1A3A1H413	5305-054-6650	3-4	1A1A1H39
5305-054-5649	3-14	1A3A1H414	5305-054-6650	3-16	H457
5305-054-5650		1A2A3H242	5305-054-6650	3-16	H458
5305-054-5650		1A2A3H243	5305-054-6650	3-16	H459
5305-054-5650		4A1H13	5305-054-6650	3-16	H460
5305-054-5650		4A1H14	5305-054-6650	3-16	H461

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-6650	3-16	H462
5305-054-6650	3-16	H463
5305-054-6650	3-16	H464
5305-054-6650	3-16	H465
5305-054-6650	3-16	H466
5305-054-6650	3-16	H467
5305-054-6650	3-16	H468
5305-054-6650	3-16	H469
5305-054-6650	3-16	H470
5305-054-6650	3-16	H471
5305-054-6650	3-16	H472
5305-054-6650	3-16	H473
5305-054-6650	3-16	H474
5305-054-6650	3-16	H475
5305-054-6650	3-16	H476
5305-054-6650	3-16	H477
5305-054-6650	3-16	H478
5305-054-6650	3-16	H479
5305-054-6650	3-16	H480
5305-054-6650	3-16	H481
5305-054-6650	3-16	H482
5305-054-6650	3-16	H483
5305-054-6650	3-16	H484
5305-054-6650	3-16	H485
5305-054-6650	3-16	H486
5305-054-6650	3-16	H487
5305-054-6650	3-16	H488
5305-054-6650	3-16	H489
5305-054-6650	3-16	H490
5305-054-6650	3-16	H491
5305-054-6650	3-16	H492
5305-054-6650	3-16	H493
5305-054-6650	3-16	H494
5305-054-6650	3-16	H495
5305-054-6650	3-16	H496
5305-054-6650	3-16	H497
5305-054-6650	3-16	H498
5305-054-6650	3-16	1A3H356
5305-054-6650	3-16	1A3H357
5305-054-6650	3-16	1A3H358
5305-054-6650	3-16	1A3H359
5305-054-6651		1A1H72
5305-054-6651		1A1H73
5305-054-6651		1A1H74
5305-054-6651	3-3	1A1A1H44
5305-054-6651	3-3	1A1A1H45
5305-054-6651	3-3	1A1A1H46
5305-054-6651	3-3	1A1A1H47
5305-054-6651	3-4	1A1H103
5305-054-6651	3-4	1A1H104
5305-054-6651	3-4	1A1H105
5305-054-6651	3-4	1A1H106
5305-054-6651	3-4	1A1H107
5305-054-6651	3-4	1A1H108
5305-054-6651	3-4	1A1H109
5305-054-6651	3-4	1A1H110
5305-054-6651	3-4	1A1H111
5305-054-6651	3-4	1A1H112
5305-054-6651	3-4	1A1H113
5305-054-6651	3-4	1A1H114
5305-054-6651	3-4	1A1H115
5305-054-6651	3-4	1A1H116
5305-054-6651	3-4	1A1H117
5305-054-6651	3-4	1A1H118

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-6651	3-4	1A1H119
5305-054-6651	3-4	1A1H120
5305-054-6651	3-4	1A1H121
5305-054-6651	3-4	1A1H122
5305-054-6651	3-4	1A1H123
5305-054-6651	3-4	1A1H124
5305-054-6651	3-4	1A1H125
5305-054-6651	3-4	1A1H126
5305-054-6651	3-8	1A2H259
5305-054-6651	3-8	1A2H260
5305-054-6651	3-8	1A2H261
5305-054-6651	3-8	1A2H262
5305-054-6651	6-5	4H5
5305-054-6651	6-5	4H6
5305-054-6651	6-5	4H7
5305-054-6651	6-5	4H8
5305-054-6651	3-13	1A3H360
5305-054-6651	3-13	1A3H361
5305-054-6651	3-13	1A3H362
5305-054-6651	3-13	1A3H363
5305-054-6651	3-13	1A3H364
5305-054-6651	3-13	1A3H365
5305-054-6651	3-13	1A3H366
5305-054-6651	3-13	1A3H367
5305-054-6651	3-13	1A3H431
5305-054-6651	3-13	1A3H432
5305-054-6651	3-13	1A3H433
5305-054-6651	3-13	1A3H434
5305-054-6651	3-14	1A3A1H384
5305-054-6651	3-14	1A3A1H385
5305-054-6651	3-14	1A3A1H386
5305-054-6651	3-14	1A3A1H387
5305-054-6651	3-14	1A3A1H388
5305-054-6651	3-14	1A3A1H389
5305-054-6651	3-14	1A3A1H390
5305-054-6651	3-14	1A3A1H391
5305-054-6652		1A1H64
5305-054-6652		1A1H65
5305-054-6652		1A1H66
5305-054-6652		1A1H67
5305-054-6652		1A2A1A1H288
5305-054-6652		1A2A1A1H289
5305-054-6652		1A2A1H270
5305-054-6652		1A2A1H271
5305-054-6652		1A2A1H272
5305-054-6652		1A2A1H273
5305-054-6652		1A2A1H274
5305-054-6652	3-3	1A1A1H40
5305-054-6652	3-3	1A1A1H41
5305-054-6652	3-3	1A1A1H42
5305-054-6652	3-3	1A1A1H43
5305-054-6652	6-5	4H31
5305-054-6652	6-5	4H32
5305-054-6652	6-5	4H33
5305-054-6652	6-5	4H34
5305-054-6653		1A1H215
5305-054-6653		1A1H216
5305-054-6653		1A1H217
5305-054-6653		1A1H218
5305-054-6653	3-3	1A1A1H22
5305-054-6653	3-3	1A1A1H23
5305-054-6653	3-3	1A1A1H24
5305-054-6653	3-3	1A1A1H25
5305-054-6653	3-3	1A1A1H26

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-6654		1A2A1H275
5305-054-6654		1A2A1H276
5305-054-6654		1A2A1H277
5305-054-6654		1A2A1H278
5305-054-6654		1A2A1H279
5305-054-6654		1A2A1H280
5305-054-6654		1A2A1H281
5305-054-6654		1A2A1H282
5305-054-6654		1A2A1H283
5305-054-6654		1A2A1H284
5305-054-6654		1A2A1H285
5305-054-6654		1A2A1H286
5305-054-6655	3-13	1A3H419
5305-054-6655	3-13	1A3H420
5305-054-6655	3-13	1A3H421
5305-054-6655	3-13	1A3H422
5305-054-6655	3-16	H528
5305-054-6655	3-16	H529
5305-054-6655	6-5	4H1
5305-054-6655	6-5	4H2
5305-054-6655	6-5	4H3
5305-054-6655	6-5	4H4
5305-054-6655	6-37	1A1W1H219
5305-054-6655	6-37	1A1W1H220
5305-054-6667		1A2H266
5305-054-6667		1A2H267
5305-054-6667		1A2H268
5305-054-6667		1A2H269
5305-054-6670	3-7	1A1H153
5305-054-6670	3-7	1A1H154
5305-054-6670	3-7	1A1H155
5305-054-6671	3-8	1A2A1H294

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-054-6671	3-8	1A2A1H295
5305-059-3659	3-4	1A1H142
5305-059-3659	3-4	1A1H143
5305-059-3659	3-4	1A1H144
5305-059-3659	3-4	1A1H145
5305-059-3659	3-4	1A1H146
5305-059-3659	3-4	1A1H147
5305-059-3662	3-7	1A1H148
5305-059-3662	3-7	1A1H149
5305-068-5407	3-4	1A1H202
5305-068-5407	3-4	1A1H203
5305-105-9449		1A3MP541
5305-105-9449		1A3MP542
5305-105-9449		4MP8
5305-105-9449	3-8	1A2MP472
5305-105-9449	3-8	1A2MP473
5305-105-9449	6-5	4MP7
5305-182-7331	3-16	H534
5305-182-7331	3-16	H535
5305-182-7334	3-16	H456
5305-182-7337	3-3	1A1A1H8
5305-297-4005	3-3	1A1A1MP80
5305-297-4005	3-3	1A1A1MP81
5305-410-2903	3-7	1A1H138
5305-410-2903	3-7	1A1H139
5305-616-8539	3-3	1A1A1MP82
5305-725-4191		1A1A1H52
5305-725-4191		1A1A1H53
5305-763-6960	3-8	1A2H300
5305-763-6960	3-8	1A2H301
5305-763-6960	3-8	1A2H302
5305-763-6960	3-8	1A2H303

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-763-6960	3-16	H512
5305-763-6960	3-16	H513
5305-763-6961		1A3H423
5305-763-6961		1A3H424
5305-763-6961		1A3H425
5305-763-6961		1A3H426
5305-763-6961	3-4	1A1H91
5305-763-6961	3-4	1A1H92
5305-763-6961	3-4	1A1H93
5305-763-6961	3-4	1A1H94
5305-763-6961	3-16	H514
5305-763-6961	3-16	H515
5305-763-6961	3-16	H516
5305-763-6961	3-16	H517
5305-763-6961	3-16	H518
5305-763-6961	3-16	H519
5305-763-6961	3-16	H520
5305-763-6961	3-16	H521
5305-763-6961	3-16	H522
5305-763-6961	3-16	H523
5305-763-6961	3-16	H524
5305-763-6961	3-16	H525
5305-763-6962		1A2H221
5305-763-6962		1A2H222
5305-763-6962		1A2H223
5305-763-6962		1A2H224
5305-763-6963		1A1H186
5305-763-6963		1A1H187
5305-763-6963		1A1H188
5305-763-6963		1A1H189
5305-763-6963		1A1H190
5305-763-6963		1A1H191
5305-763-6963		1A1H192
5305-763-6963		1A1H193
5305-763-6963		1A1H194
5305-763-6963		1A1H195
5305-763-6963		1A1H196
5305-763-6963		1A1H197
5305-763-6963		1A1H198
5305-763-6963		1A1H199
5305-763-6963		1A1H200
5305-763-6963		1A1H201
5305-763-6963	3-4	1A1H2
5305-763-6963	3-4	1A1H3
5305-763-6963	3-4	1A1H4
5305-763-6963	3-4	1A1H5
5305-763-6963	3-4	1A1H6
5305-763-6963	3-4	1A1H7
5305-763-7822	3-13	1A3H352
5305-763-7822	3-13	1A3H353
5305-766-2422	3-4	1A1H127
5305-766-2422	3-4	1A1H128
5305-766-2422	3-4	1A1H129
5305-766-2422	3-4	1A1H130
5305-768-0336		1A1H78
5305-768-0336		1A1H79
5305-770-2533	3-3	1A1A1H54
5305-770-2533	3-3	1A1A1H55
5305-770-2533	3-3	1A1A1H56
5305-770-2533	3-3	1A1A1H57
5305-770-2533	3-3	1A1A1H58
5305-770-2533	3-3	1A1A1H59
5305-770-2533	6-5	4H17
5305-770-2533	6-5	4H19

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5305-770-2533	6-5	4H20
5305-770-2579	3-3	1A1A1H28
5305-777-6039	3-4	1A1H208
5305-777-6039	3-4	1A1H209
5305-813-5486	3-16	H526
5305-813-5486	3-16	H527
5305-820-6895	3-3	1A1A1MP79
5305-820-6895	3-4	1A1MP339
5305-820-6895	3-4	1A1MP340
5305-959-1910	3-4	1A1H214
5305-989-5016		1A1MP341
5305-989-9842	3-19	MP713
5305-989-9842	3-19	MP714
5305-993-9140	3-12	1A2A1A1H292
5310-011-1041	3-14	1A3A1H402
5310-011-1041	3-14	1A3A1H403
5310-057-0573	3-12	1A2A1A1H293
5310-062-0912		MP670
5310-062-0912		1A1H163
5310-167-0814	3-14	1A3A1H406
5310-167-1374	3-4	1A1H210
5310-167-1374	3-4	1A1H211
5310-182-6210	3-17	MP699
5310-182-6218	3-16	MP809
5310-182-6218	3-16	MP810
5310-182-6222	3-17	MP700
5310-182-6226	3-17	MP698
5310-208-2709		1A2MP419
5310-208-2709		1A2MP420
5310-208-2709		1A2MP421
5310-208-2709		1A2MP422
5310-270-8810	3-4	1A1H172
5310-270-8810	3-4	1A1H173
5310-270-8810	3-4	1A1H174
5310-270-8810	3-4	1A1H175
5310-271-4642		1A3A1H407
5310-271-4642		1A3A1H408
5310-271-4642		1A3A1H409
5310-271-4642		1A3A1H410
5310-271-4642	3-8	1A2H252
5310-298-3660	3-7	1A1A3MP257
5310-576-7339	4-14	1A1A3B1MP256
5310-595-6211		1A1H212
5310-595-6211		1A1H213
5310-595-6211		1A2A3H244
5310-595-6211		1A2A3H245
5310-595-6211	3-4	1A1A1H21
5310-595-6211	3-8	1A2H256
5310-595-6211	3-8	1A2H257
5310-595-6211	3-10	1A2A2H332
5310-595-6211	3-10	1A2A2H333
5310-595-6211	3-10	1A2A2H334
5310-595-6211	3-10	1A2A2H335
5310-595-6211	3-10	1A2A2H336
5310-595-6211	3-10	1A2A2H337
5310-595-6211	3-10	1A2A2H338
5310-595-6211	3-10	1A2A2H339
5310-595-6211	3-13	1A3H439
5310-595-6211	3-13	1A3H440
5310-595-6211	3-14	1A3A1H415
5310-595-6211	3-14	1A3A1H416
5310-595-6211	3-14	1A3A1H417
5310-595-6211	3-14	1A3A1H418
5310-595-6211	6-5	4H35

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5310-595-6211	6-5	4H36
5310-595-6211	6-5	4A1H17
5310-595-6211	6-5	4A1H18
5310-595-6211	6-5	4A1H19
5310-595-6211	6-5	4A1H20
5310-595-6761	3-16	H454
5310-616-8786		1A3MP524
5310-616-8786		1A3MP525
5310-616-8786		1A3MP526
5310-616-8786		1A3MP527
5310-616-8786		1A3MP528
5310-616-8786		1A3MP529
5310-616-8786		1A3MP530
5310-616-8786		1A3MP531
5310-616-8786		1A3MP532
5310-616-8786		1A3MP533
5310-616-8786		1A3MP534
5310-616-8786		1A3MP535
5310-625-5756	3-9	1A2A6H265
5310-672-2178		1A1H80
5310-672-2178		1A1H81
5310-672-2178		1A1H82
5310-672-2178	3-3	1A1A1H29
5310-672-2178	3-3	1A1A1H30
5310-672-2178	3-8	1A2H258
5310-672-2178	3-10	1A2A2H317
5310-685-3268	3-14	1A3A1H405
5310-713-0528		1A1MP407
5310-722-5998		1A2A1A1H290
5310-722-5998		1A2A1A1H291
5310-722-5998	3-4	1A1H68
5310-722-5998	3-4	1A1H69
5310-722-5998	3-4	1A1H70
5310-722-5998	3-4	1A1H71
5310-722-5998	3-13	1A3H368
5310-722-5998	3-13	1A3H369
5310-722-5998	3-13	1A3H370
5310-722-5998	3-13	1A3H371
5310-722-5998	3-13	1A3H372
5310-722-5998	3-13	1A3H373
5310-722-5998	3-13	1A3H374
5310-722-5998	3-13	1A3H375
5310-722-5998	3-14	1A3A1H392
5310-722-5998	3-14	1A3A1H393
5310-722-5998	3-14	1A3A1H394
5310-722-5998	3-14	1A3A1H395
5310-722-5998	3-14	1A3A1H396
5310-722-5998	3-14	1A3A1H397
5310-722-5998	3-14	1A3A1H398
5310-722-5998	3-14	1A3A1H399
5310-782-1349		H532
5310-782-1349		H533
5310-804-0141	3-7	1A1H140
5310-804-0141	3-7	1A1H141
5310-880-5976	3-16	H544
5310-880-5976	3-16	H545
5310-925-9646		4H25
5310-925-9646		4H26
5310-925-9646		4H27
5310-925-9646		4H28
5310-925-9646	3-13	1A3H427
5310-925-9646	3-13	1A3H428
5310-925-9646	3-13	1A3H429
5310-925-9646	3-13	1A3H430

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5310-929-6395	3-13	1A3H376
5310-929-6395	3-13	1A3H377
5310-929-6395	3-13	1A3H378
5310-929-6395	3-13	1A3H379
5310-929-6395	3-13	1A3H380
5310-929-6395	3-13	1A3H381
5310-929-6395	3-13	1A3H382
5310-929-6395	3-13	1A3H383
5310-929-6395	4-14	1A1A3B1H158
5310-929-6395	4-14	1A1A3B1H159
5310-933-8118	3-10	1A2A2H340
5310-933-8118	3-10	1A2A2H341
5310-933-8118	3-10	1A2A2H342
5310-933-8118	3-10	1A2A2H343
5310-933-8118	3-10	1A2A2H344
5310-933-8118	3-10	1A2A2H345
5310-933-8118	3-10	1A2A2H346
5310-933-8118	3-10	1A2A2H347
5310-933-8119	3-8	1A2A1H296
5310-933-8119	3-8	1A2A1H297
5310-934-9748	3-3	1A1A1H27
5310-939-0849		1A2A3H240
5310-939-0849		1A2A3H241
5310-939-0849	3-13	1A3H435
5310-939-0849	3-13	1A3H436
5310-939-0849	6-5	4H23
5310-939-0849	6-5	4H24
5310-971-0502		1A2MP423
5310-971-0502		1A2A2MP515
5310-971-0502		1A3MP536
5310-971-0502		1A3MP537
5310-982-4999	3-3	1A1A1H48
5310-982-4999	3-3	1A1A1H49
5310-982-5000	3-4	1A1H75
5310-982-5000	3-4	1A1H76
5315-168-2930	3-19	MP710
5315-168-2930	3-19	MP711
5315-168-7077	3-3	1A1A1MP63
5315-182-6235		1A1MP165
5315-182-6240	3-17	MP689
5315-187-3241	3-16	1A1MP394
5315-187-3241	3-4	MP802
5315-228-2822	3-4	1A1MP280
5315-228-2822	3-4	1A1MP386
5315-273-8015	3-4	1A1L1MP380
5315-273-8015	3-16	MP725
5315-273-8016		MP789A
5315-273-8016	3-4	1A1MP194
5315-273-8016	3-16	MP789
5315-273-8016	3-16	MP800
5315-491-0624	3-16	MP671
5315-579-1543	3-3	1A1A1MP86
5315-597-2428		1A1MP387
5315-597-2428	3-4	1A1MP195
5315-597-2428	3-4	1A1MP352
5315-682-1726	3-4	1A1MP161
5315-702-9650	3-16	MP672
5315-702-9650	3-16	MP673
5315-702-9650	3-16	MP674
5315-702-9650	3-16	MP675
5315-702-9650	3-16	MP676
5315-702-9650	3-16	MP677
5315-702-9650	3-16	MP678
5315-722-6591	3-4	1A1MP351

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5315-722-6591	3-16	MP734
5315-722-6591	3-16	MP743
5315-815-1391	3-16	MP790
5315-815-1391	3-16	MP801
5315-817-0889		1A1MP159
5315-817-0889		1A1MP160
5315-817-0889	3-3	1A1A1MP61
5315-817-0889	3-3	1A1A1MP62
5315-817-0889	3-17	MP690
5315-817-0889	3-17	MP691
5315-817-0889	3-17	MP692
5315-817-0889	3-17	MP693
5315-821-9522	3-4	1A1MP163
5315-821-9522	3-4	1A1MP164
5315-825-3748		1A1MP393
5315-825-3748	3-16	MP605
5315-841-5416	3-3	1A1A1MP30
5315-847-5677	3-4	1A1MP259
5315-847-5677	3-18	MP621
5315-939-1146		1A1MP278
5315-939-1146		1A1MP398
5315-948-4420	3-3	1A1A1MP59
5315-948-4420	3-3	1A1A1MP60
5315-988-7409		1A1MP205
5315-988-7409		1A1MP206
5315-988-7409		1A1MP207
5315-988-7409		1A1MP208
5315-988-7409		1A1MP209
5315-988-7409		1A1MP210
5315-988-7409		1A1MP260
5320-069-0052		H504
5320-069-0052		H505
5320-069-0052		H506
5320-069-0052		H507
5320-234-1555		1A2A2MP518
5320-234-1555		1A2A2MP519
5320-655-4757		1A2H225
5320-655-4757		1A2H226
5320-721-5239		4H21
5320-721-5239		4H22
5320-721-5244		1A2A5H246
5320-721-5244		1A2A5H247
5320-721-5244		1A3H348
5320-721-5244		1A3H349
5320-721-5244		1A3H350
5320-721-5244		1A3H351
5320-721-5244		1A3H354
5320-721-5244		1A3H355
5320-821-4995		1A2A3H239
5320-821-4995		1A3A1A1H404
5320-850-2273		1A2A5H250
5320-850-2273		1A2A5H251
5320-855-1316	3-4	1A1H95
5320-855-1316	3-4	1A1H96
5320-855-1316	3-4	1A1H97
5320-855-1316	3-4	1A1H98
5320-879-6606		1A2A1A1H287
5325-185-0017	3-9	1A2A6MP477
5325-351-4597		1A3MP556
5325-351-4597		1A3MP557
5325-351-4597		1A3MP558
5325-351-4597		1A3MP559
5325-351-4597		4H18
5325-351-4597		4H19

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5325-351-4597		4H20
5325-351-4597		4MP16
5325-641-2792	3-4	1A1MP199
5340-014-0014	3-4	1A1MP169
5340-052-1788	3-8	1A2A1MP495
5340-057-9979	3-3	1A1A1MP45
5340-080-9091	3-4	1A1MP338
5340-105-6899	3-3	1A1A1MP47
5340-105-6899	3-3	1A1A1MP48
5340-105-6899	3-3	1A1A1MP49
5340-115-6077		1A2A5MP459
5340-115-6077		1A2A5MP460
5340-122-6760	3-4	1A1MP179
5340-122-6760	3-4	1A1MP180
5340-136-5537	3-16	MP577
5340-136-5537	3-16	MP578
5340-136-5537	3-16	MP579
5340-136-5537	3-16	MP580
5340-168-7033	3-3	1A1A1MP44
5340-168-7034	3-7	1A1MP172
5340-205-6552	3-16	MP722
5340-221-0115	3-4	1A1MP400
5340-221-0115	3-4	1A1MP401
5340-221-0115	3-4	1A1MP402
5340-221-0115	3-4	1A1MP403
5340-282-7120	3-4	1A1MP337
5340-286-6587	3-10	1A2A2MP510
5340-298-6564	3-4	1A1MP334
5340-298-6564	3-4	1A1MP335
5340-298-6564	3-4	1A1MP336
5340-298-6564	3-16	MP721
5340-298-6564	3-16	MP735
5340-298-6564	3-16	MP744
5340-298-6564	3-16	MP771
5340-298-6564	3-16	MP772
5340-543-3981		1A1A1MP78
5340-543-3981	3-18	MP635
5340-550-5937		1A1MP355
5340-598-1138	3-17	MP696
5340-721-8187		1A1MP331
5340-721-8187		1A1MP332
5340-721-8187		1A1MP333
5340-721-8187		1A1MP354
5340-721-8187	3-4	1A1A1MP74
5340-721-8187	3-4	1A1A1MP75
5340-721-8187	3-4	1A1A1MP76
5340-721-8187	3-4	1A1A1MP77
5340-725-0969	3-16	MP637
5340-725-0969	3-16	MP638
5340-725-0969	3-16	MP639
5340-725-0969	3-16	MP640
5340-725-0969	3-16	MP641
5340-725-0969	3-16	MP642
5340-725-0969	3-16	MP643
5340-725-0969	3-16	MP644
5340-766-6818	3-4	1A1MP173
5340-766-6818	3-4	1A1MP174
5340-766-6818	3-4	1A1MP175
5340-780-1792	3-16	MP781
5340-780-1792	3-16	MP782
5340-804-6895		1A1MP330
5340-804-6895	3-3	1A1A1MP68
5340-804-6895	3-3	1A1A1MP69
5340-804-6895	3-3	1A1A1MP70

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5340-804-6895	3-3	1A1A1MP71
5340-804-6895	3-3	1A1A1MP72
5340-804-6895	3-4	1A1A1MP38
5340-804-6896	3-3	1A1A1MP73
5340-811-1555	3-16	MP662
5340-811-1555	3-16	MP663
5340-811-1555	3-16	MP664
5340-811-1555	3-16	MP665
5340-811-1555	3-16	MP666
5340-811-1555	3-16	MP667
5340-811-1555	3-16	MP668
5340-811-1555	3-16	MP669
5340-811-9169		1A1A1MP46
5340-866-1471	3-18	MP636
5340-903-8482	3-16	MP751
5340-903-8482	3-16	MP752
5340-914-7586		1A1MP305
5340-914-7586		1A1MP306
5340-914-7586		1A1MP307
5340-914-7586		1A1MP308
5340-983-9586		1A2A3MP430
5355-579-6390	6-5	4MP11
5360-112-0527	3-16	MP783
5360-112-0527	3-16	MP784
5360-168-7078		1A1A1MP116
5360-168-7079	3-17	MP697
5360-168-7081	3-3	1A1A1MP112
5360-168-7084	3-16	MP780
5360-168-7085	3-3	1A1A1MP115
5360-168-7153	3-3	1A1A1MP113
5360-168-7162	3-18	MP661
5365-168-7037	3-4	1A1MP363
5365-168-7037	3-4	1A1MP364
5365-168-7038	3-16	MP753
5365-168-7039	3-19	MP716
5365-168-7039	3-19	MP717
5365-168-7039	3-19	MP718
5365-168-7040	3-18	MP660
5365-168-7041	3-3	1A1A1MP100
5365-168-7043	3-19	MP712
5365-168-7045	3-3	1A1A1MP111
5365-168-7046	3-4	1A1MP168
5365-168-7149	3-16	MP758
5815-980-7174	3-3	1A1A1MP18
5815-980-7174	3-3	1A1A1MP19
5901-115-8357		1A2A4MP453
5905-044-2229	6-3	4A1R1
5905-058-8934	6-24	1A2A3R25
5905-059-9114	6-26	1A2A4R22
5905-059-9116	6-26	1A2A4R22
5905-059-9116	6-26	1A2A4R35
5905-059-9117	6-26	1A2A4R22
5905-059-9117	6-26	1A2A4R35
5905-061-2089	6-3	4A1R20
5905-061-2089	6-31	1A3A1A1R8
5905-061-2251	3-12	1A2A1A1R6
5905-061-2251	6-3	4A1R18
5905-067-6473	6-22	1A2A5R13
5905-067-9079	6-3	4A1R4
5905-067-9079	6-22	1A2A5R8
5905-076-4292	3-3	1A1A1R1
5905-079-3176	6-3	4A1R16
5905-087-8408	6-3	4A1R15
5905-104-8349	6-24	1A2A3R23

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5905-104-8349	6-31	1A3A1A1R4
5905-104-8350	6-24	1A2A3R12
5905-104-8350	6-24	1A2A3R5
5905-104-8350	6-24	1A2A4R20
5905-104-8350	6-24	1A2A4R38
5905-106-1247	6-24	1A2A4R19
5905-110-0310	6-24	1A2A4R6
5905-111-4738	6-22	1A2A5R7
5905-111-4738	6-22	1A2A5R12
5905-111-4738	6-22	1A2A5R33
5905-111-4738	6-24	1A2A3R1
5905-111-4738	6-24	1A2A4R24
5905-111-4744	6-31	1A3A1A1R5
5905-111-4840	6-24	1A2A3R31
5905-111-4840	6-24	1A2A3R6
5905-114-5438	6-31	1A3A1A1R2
5905-141-0597	6-26	1A2A4R9
5905-141-1130	6-26	1A2A4R40
5905-141-1130	6-26	1A2A4R41
5905-141-1130	6-26	1A2A4R42
5905-141-1168	6-24	1A2A3R2
5905-141-1168	6-24	1A2A3R10
5905-141-1168	6-24	1A2A3R29
5905-141-1168	6-26	1A2A4R30
5905-141-1168	6-26	1A2A4R31
5905-141-1168	6-26	1A2A4R32
5905-171-1998	6-24	1A2A3R3
5905-171-2004	6-3	4A1R19
5905-171-2004	6-24	1A2A3R15
5905-171-2004	6-24	1A2A3R32
5905-171-2004	6-24	1A2A3R7
5905-171-2004	6-26	1A2A4R18
5905-185-6580	6-22	1A2A5R20
5905-185-6935	6-31	1A3A1A1R1
5905-185-8510	6-22	1A2A5R51
5905-185-8510	6-24	1A2A3R8
5905-185-8510	6-24	1A2A3R11
5905-185-8510	6-24	1A2A3R17
5905-185-8510	6-24	1A2A3R18
5905-185-8510	6-24	1A2A3R19
5905-185-8510	6-24	1A2A3R20
5905-185-8510	6-24	1A2A3R24
5905-185-8510	6-24	1A2A3R27
5905-185-8510	6-24	1A2A3R28
5905-185-8510	6-24	1A2A3R30
5905-185-8510	6-24	1A2A3R33
5905-185-8510	6-24	1A2A3R34
5905-185-8510	6-24	1A2A3R35
5905-185-8510	6-24	1A2A3R36
5905-185-8510	6-24	1A2A3R37
5905-185-8510	6-24	1A2A3R38
5905-185-8510	6-26	1A2A4R4
5905-185-8510	6-26	1A2A4R7
5905-185-8510	6-26	1A2A4R17
5905-185-8510	6-31	1A3A1A1R7
5905-185-8510	6-31	1A3A1A1R10
5905-190-8883	6-22	1A2A5R47
5905-190-8883	6-22	1A2A5R48
5905-190-8883	6-26	1A2A4R23
5905-190-8887	3-12	1A2A1A1R8
5905-190-8887	6-22	1A2A5R41
5905-190-8887	6-24	1A2A3R39
5905-190-8887	6-31	1A3A1A1R9
5905-192-3973	6-31	1A3A1A1R3

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5905-192-3978	6-24	1A2A3R44
5905-192-4490	6-24	1A2A3R42
5905-195-6453	6-26	1A2A4R28
5905-195-6800	6-31	1A3A1A1R6
5905-195-6806	6-24	1A2A3R16
5905-195-6806	6-26	1A2A4R16
5905-195-6806	6-26	1A2A4R5
5905-225-4307	6-32	1A2A2A1R5
5905-249-4256	6-24	1A2A3R45
5905-253-1231	6-22	1A2A5R1
5905-269-3277	6-3	4A1R17
5905-279-1723		1A1A3B1R1
5905-279-1878	6-24	1A2A3R13
5905-279-2637	6-24	1A2A3R26
5905-279-3504	6-24	1A2A3R14
5905-279-3504	6-26	1A2A4R29
5905-279-3504	6-26	1A2A4R39
5905-279-3504	6-26	1A2A4R8
5905-449-6212	6-26	1A2A4R1
5905-449-6212	6-26	1A2A4R2
5905-473-5251	6-22	1A2A5R37
5905-473-5251	6-22	1A2A5R38
5905-473-5251	6-22	1A2A5R39
5905-473-5251	6-22	1A2A5R40
5905-517-1206	6-26	1A2A4R13
5905-681-4940	6-3	4A1R10
5905-681-4940	6-3	4A1R7
5905-681-4940	6-3	4A1R11
5905-709-2680	6-26	1A2A4R10
5905-730-0285	3-12	1A2A1A1R3
5905-730-0285	3-12	1A2A1A1R4
5905-733-9392	6-26	1A2A4R34
5905-752-3308	6-24	1A2A3R4
5905-752-3308	6-26	1A2A4R27
5905-752-3369	6-3	4A1R12
5905-752-3601	6-26	1A2A4R14
5905-752-3815	6-3	4A1R13
5905-752-6646	6-26	1A2A4R26
5905-752-6997	6-26	1A2A4R22
5905-755-8132	6-22	1A2A5R9
5905-755-8132	6-22	1A2A5R18
5905-755-8132	6-22	1A2A5R29
5905-755-8132	6-22	1A2A5R30
5905-755-8132	6-22	1A2A5R42
5905-764-1182	6-22	1A2A5R14
5905-764-1182	6-22	1A2A5R15
5905-764-1182	6-22	1A2A5R21
5905-764-2604	3-10	1A2A2R1
5905-764-2604	3-10	1A2A2R2
5905-764-2604	3-10	1A2A2R3
5905-764-2604	3-10	1A2A2R4
5905-766-8371	6-26	1A2A4R15
5905-773-3726	6-22	1A2A5R3
5905-779-8374	6-24	1A2A3R22
5905-780-7911	6-22	1A2A5R50
5905-782-7983	6-26	1A2A4R15
5905-806-4457	6-26	1A2A4R3
5905-809-7805	6-26	1A2A4R34
5905-810-0945	6-22	1A2A5R11
5905-810-0945	6-26	1A2A4R34
5905-810-1003	6-26	1A2A4R37
5905-810-1003	6-30	1A1A4R2
5905-810-1055	6-22	1A2A5R17
5905-810-1055	6-26	1A2A4R15

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5905-810-7778	6-26	1A2A4R25
5905-810-7778	6-26	1A2A4R35
5905-810-7801	6-22	1A2A5R45
5905-812-2483	6-26	1A2A4R35
5905-816-6311	6-22	1A2A5R46
5905-816-6311	6-24	1A2A3R21
5905-816-6311	6-26	1A2A4R34
5905-822-4465	6-22	1A2A5R16
5905-833-5818	6-22	1A2A5R43
5905-833-5819	6-26	1A2A4R21
5905-833-5820	6-22	1A2A5R4
5905-833-5820	6-22	1A2A5R10
5905-834-0019	6-3	4A1R8
5905-834-6633	6-26	1A2A4R34
5905-836-2859	6-24	1A2A3R9
5905-836-2859	6-30	1A1A4R3
5905-837-4777	6-22	1A2A5R2
5905-840-7607	6-22	1A2A5R32
5905-840-7607	6-22	1A2A5R35
5905-841-6964	3-12	1A2A1A1R7
5905-843-5197	6-26	1A2A4R35
5905-843-6625	6-26	1A2A4R33
5905-847-3427	6-22	1A2A5R3
5905-848-8924	6-22	1A2A5R34
5905-850-6880	6-26	1A2A4R36
5905-854-8118	6-26	1A2A4R34
5905-855-2544	6-3	4A1R2
5905-878-5808	6-26	1A2A4R34
5905-879-6995	6-26	1A2A4R22
5905-879-6995	6-26	1A2A4R35
5905-882-7888	6-3	4A1R14
5905-882-7889	6-22	1A2A5R3

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5905-901-1583	3-12	1A2A1A1R5
5905-902-1208	6-3	4A1R6
5905-904-6420	6-26	1A2A4R10
5905-904-7662	3-9	1A2A6R1
5905-916-7736	6-3	4A1R3
5905-924-9347	3-12	1A2A1A1R1
5905-925-1499	6-22	1A2A5R49
5905-925-1617	6-26	1A2A4R11
5905-926-2758	6-3	4A1R9
5905-941-4528	6-26	1A2A4R12
5905-946-7562	6-30	1A1A4R1
5905-978-6412	6-26	1A2A4R15
5905-978-7702	6-24	1A2A3R41
5905-983-5826	6-26	1A2A4R10
5905-985-3958	3-12	1A2A1A1R2
5905-993-6985	3-9	1A2A6R2
5905-993-6985	6-24	1A2A3R43
5910-007-4413	6-31	1A3A1A1C1
5910-007-4413	6-31	1A3A1A1C3
5910-022-5658	6-24	1A2A3C3
5910-064-3305	6-22	1A2A5C11
5910-067-4413	6-26	1A2A4C2
5910-068-3884	6-31	1A3A1A1C2
5910-068-4298	6-22	1A2A5C2
5910-068-4298	6-24	1A2A3C1
5910-068-4298	6-24	1A2A3C7
5910-068-4298	6-26	1A2A4C5
5910-068-4298	6-26	1A2A4C6
5910-068-4298	6-26	1A2A4C9
5910-078-7227	6-24	1A2A3C6
5910-106-7161	6-22	1A2A5C9
5910-106-7161	6-22	1A2A5C10

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5910-106-7162	6-24	1A2A3C2
5910-106-7162	6-24	1A2A3C4
5910-111-1708		1A1A3B1C1
5910-481-8109	3-12	1A2A1A1C1
5910-481-8109	6-22	1A2A5C5
5910-883-5712	3-8	1A2A3C5
5910-986-5427	6-32	1A2A2A1C1
5910-986-5427	6-32	1A2A2A1C2
5910-990-4881	6-22	1A2A5C4
5910-990-4881	6-22	1A2A506
5910-990-4881	6-22	1A2A5C8
5910-990-4881	6-26	1A2A4C7
5910-998-4105	6-26	1A2A4C1
5910-998-4105	6-26	1A2A4C4
5915-481-8108	3-13	1A3FL1
5925-111-1730	6-5	4CB1
5925-838-3742	3-8	1A2A1CB1
5925-969-7783	3-8	1A2A1CB2
5930-106-3927	3-13	1A3S4
5930-463-3059	3-4	1A1S1
5930-501-1749	3-13	1A3S5
5930-518-3490	3-13	1A3S1
5930-518-3490	3-13	1A3S2
5930-518-3490	3-13	1A3S3
5930-646-4619	3-3	1A1A1S1
5930-832-4163	3-3	1A1A1MP4
5935-052-2300		1A1A1W1E1
5935-052-2300		1A1A1W1E2
5935-052-2300		1A1A1W1E3
5935-052-2300		1A1A1W1E4
5935-052-2300		1A1A1W1E5
5935-052-2300		1A1A1W1E6
5935-052-2300		1A1A1W1E7
5935-052-2300		1A1A1W1E8
5935-052-2300		1A1A1W1E9
5935-052-2300		1A1A1W1E10
5935-052-2301		1A1W1E1
5935-052-2301		1A1W1E2
5935-052-2301		1A1W1E3
5935-052-2301		1A1W1E4
5935-052-2301		1A1W1E5
5935-052-2301		1A1W1E6
5935-052-2301		1A1W1E7
5935-052-2301		1A1W1E8
5935-052-2301		1A1W1E9
5935-052-2301		1A1W1E10
5935-110-7735		1A1W1MP411
5935-110-7736		1A1W1MP412
5935-226-4885	3-8	1A2A1MP480
5935-682-0658	3-8	1A2A1MP497
5935-682-0658	3-13	1A3MP560
5935-725-4446	6-37	1A1W1J1
5935-762-1392	3-8	1A2A1MP481
5935-789-6069	3-4	1A1MP170
5935-831-9028	3-1	1A2A1A1J1
5935-858-5633	3-8	1A2A6W1P8
5935-899-9361	3-8	1A2A1MP479
5935-917-0336	3-13	1A3J3
5935-917-0336	6-5	4J3
5935-926-0678	6-39	1A3W1J2
5935-926-0680	3-12	1A2A1A1J3
5935-926-0682	6-5	4W1J1
5935-941-7808	3-12	1A2A1A1J2
5940-032-5763		1A1A3B1E5

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5940-050-2308		1A3W1E1
5940-110-4443		1A3E3
5940-113-9828		1A1A4E1
5940-113-9828		1A1A4E2
5940-143-5440		1A1A1W1E31
5940-144-2353	3-4	1A1E3
5940-144-2353	3-4	1A1E4
5940-150-4224		1A2A6E1
5940-150-4224		1A2A6E2
5940-150-4224		1A2A6E3
5940-150-4224		1A2A6E4
5940-534-8131	4-14	1A1A3B1E1
5940-534-8131	4-14	1A1A3B1E2
5940-557-4398		1A1W1E23
5940-557-4398		1A1W1E24
5940-557-4398		1A1W1E25
5940-557-4398		1A1W1E26
5940-557-4398		1A1W1E27
5940-557-4398		1A1W2E1
5940-557-4398		1A1W2E2
5940-577-3711		1A1W1E21
5940-577-3711		1A1W1E22
5940-681-8183		1A2A2E1
5940-681-9771	3-4	1A1TB1
5940-813-0698	3-9	1A2A6W1E1
5940-813-0698	3-9	1A2A6W1E2
5940-813-0698	3-9	1A2A6W1E3
5940-813-0698	3-9	1A2A6W1E4
5940-926-9869		1A1E1
5940-926-9869		1A1E2
5940-958-6213		1A1A3B1E3
5940-958-6213		1A1A3B1E4
5945-915-1052		1A2A3MP432
5945-915-1052		1A2A4MP450
5945-915-1052		1A2A4MP451
5945-915-1052		1A2A4MP452
5945-945-1581	6-24	1A2A3K1
5945-945-1581	6-26	1A2A4K1
5945-945-1581	6-26	1A2A4K2
5945-945-1581	6-26	1A2A4K3
5950-088-3748	6-22	1A2A5T2
5950-106-5261		1A3A1A1T1
5950-463-3058	6-22	1A2A5T1
5960-939-8657		1A2MP424
5960-939-8657		1A2MP425
5960-939-8657		1A2MP426
5960-939-8657		1A2MP427
5960-939-8657		1A2MP428
5960-939-8657		1A2MP429
5961-081-4816	3-14	1A3A1Q2
5961-081-4816	3-14	1A3A1Q4
5961-081-4816	6-24	1A2A3Q3
5961-463-3053	6-26	1A2A4Q2
5961-463-3054	3-9	1A2A6Q1
5961-463-3056	6-24	1A2A3Q12
5961-492-2522	3-4	1A1A2
5961-723-3602	6-3	4A1CR1
5961-723-3602	6-3	4A1CR2
5961-723-3602	6-3	4A1CR3
5961-723-3602	6-3	4A1CR4
5961-723-3602	6-3	4A1CR5
5961-752-6121	6-22	1A2A5VR3
5961-821-2309	6-24	1A2A3VR1
5961-821-2309	6-26	1A2A4VR3

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5961-821-2309	6-26	1A2A4VR4
5961-836-0383	3-12	1A3A1VR3
5961-853-3438	3-10	1A2A2VR1
5961-853-3438	3-10	1A2A2VR2
5961-879-7428		1A3A1A1MP548
5961-883-8906	6-3	4A1VR1
5961-892-3361	6-22	1A2A5VR2
5961-893-9563	3-1	1A3A1Q3
5961-905-8509		1A2A3MP437
5961-905-8509		1A2A3MP438
5961-905-8509		1A2A3MP439
5961-905-8509		1A2A3MP440
5961-905-8509		1A2A3MP441
5961-905-8509		1A2A3MP442
5961-905-8509		1A2A3MP443
5961-905-8509		1A2A3MP444
5961-905-8509		1A2A3MP445
5961-905-8509		1A2A3MP446
5961-905-8509		1A2A4MP454
5961-905-8509		1A2A4MP455
5961-905-8509		1A2A4MP456
5961-905-8509		1A2A4MP457
5961-905-8509		1A3A1A1MP547
5961-925-3777	6-24	1A2A3Q7
5961-925-3777	6-24	1A2A3Q8
5961-925-3777	6-24	1A2A3Q9
5961-930-7486		1A2A3MP448
5961-945-2975		1A2A3MP433
5961-945-2975		1A2A3MP434
5961-945-2975		1A2A3MP435
5961-945-2975		1A2A3MP436
5961-945-2975		1A2A5MP464
5961-945-2975		1A2A5MP465
5961-951-8756	6-24	1A2A3Q1
5961-951-8756	6-24	1A2A3Q11
5961-951-8756	6-24	1A2A3Q2
5961-951-8756	6-24	1A2A3Q4
5961-951-8756	6-24	1A2A3Q5
5961-951-8756	6-24	1A2A3Q6
5961-951-8756	6-26	1A2A4Q3
5961-951-8757	6-24	1A2A3Q10
5961-951-8757	6-26	1A2A4Q1
5961-951-8757	6-26	1A2A4Q4
5961-951-8757	6-31	1A3A1A1Q1
5961-957-6865	3-7	1A1A3CR3
5961-957-6865	3-7	1A1CR1
5961-957-6865	6-22	1A2A5CR1
5961-957-6865	6-22	1A2A5CR2
5961-957-6865	6-22	1A2A5CR3
5961-957-6865	6-22	1A2A5CR4
5961-957-6865	6-24	1A2A3CR1
5961-957-6865	6-24	1A2A3CR2
5961-957-6865	6-24	1A2A3CR4
5961-957-6865	6-24	1A2A3CR5
5961-957-6865	6-26	1A2A4CR1
5961-957-6865	6-26	1A2A4CR2
5961-957-6865	6-26	1A2A4CR3
5961-957-6865	6-26	1A2A4CR4
5961-957-6865	6-26	1A2A4CR5
5961-957-6865	6-26	1A2A4CR6
5961-957-6865	6-26	1A2A4CR7
5961-957-6865	6-26	1A2A4CR8
5961-957-6865	6-31	1A3A1A1CR1
5961-957-6865	6-31	1A3A1A1CR2

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
5961-957-6865	6-31	1A3A1A1CR3
5961-957-6865	6-31	1A3A1A1CR4
5961-957-6865	6-32	1A2A2A1CR1
5961-957-6865	6-32	1A2A2A1CR2
5961-957-6865	6-32	1A2A2A1CR3
5961-957-6865	6-32	1A2A2A1CR4
5961-957-6865	6-32	1A2A2A1CR5
5961-957-6865	6-32	1A2A2A1CR6
5961-959-8546	6-22	1A2A5Q1
5961-959-8546	6-22	1A2A5Q2
5961-977-5631		1A2A3MP447
5961-978-5966	3-7	1A1CR2
5961-978-5966	3-9	1A2A6CR1
5961-978-5966	3-9	1A2A6CR2
5961-978-5966	3-9	1A2A6CR3
5961-978-5966	3-9	1A2A6CR4
5961-985-1940	3-9	1A2A6VR1
5961-995-2310	6-22	1A2A5VR1
5961-995-2310	6-22	1A2A5VR4
5961-995-2310	6-22	1A2A5VR5
5961-995-2310	6-22	1A2A5VR6
5961-995-2310	6-26	1A2A4VR1
5961-995-2310	6-26	1A2A4VR5
5962-463-3195	6-22	1A2A5AR1
5962-463-3195	6-22	1A2A5AR2
5962-463-3195	6-22	1A2A5AR3
5962-463-3195	6-24	1A2A3AR1
5962-463-3195	6-26	1A2A4AR1
5962-886-9544	6-26	1A2A4AR2
5977-071-5374		1A1A3B1MP241
5977-071-5374		1A1A3B1MP242
5977-285-0051	4-14	1A1A3B1MP234
5977-285-0051	4-14	1A1A3B1MP235
5995-470-4565	3-4	1A1W1
5999-112-8769	3-4	1A1MP188
5999-239-3350		1A1W1E11
5999-239-3350		1A1W1E12
5999-239-3350		1A1W1E13
5999-239-3350		1A1W1E14
5999-239-3350		1A1W1E15
5999-239-3350		1A1W1E16
5999-239-3350		1A1W1E17
5999-239-3350		1A1W1E18
5999-239-3350		1A1W1E19
5999-239-3350		1A1W1E20
5999-239-3350		1A1A1W1E21
5999-239-3350		1A1A1W1E22
5999-239-3350		1A1A1W1E23
5999-239-3350		1A1A1W1E24
5999-239-3350		1A1A1W1E25
5999-239-3350		1A1A1W1E26
5999-239-3350		1A1A1W1E27
5999-239-3350		1A1A1W1E28
5999-239-3350		1A1A1W1E29
5999-239-3350		1A1A1W1E30
5999-866-3377	3-8	1A2A1MP498
6105-168-3693	3-4	1A1A3
6105-168-3693	3-4	1A1MP182
6105-168-3693	3-16	MP602
6105-549-8043	4-14	1A1A3B1MP252
6105-549-8043	4-14	1A1A3B1MP253
6105-549-8044	4-14	1A1A3B1MP236
6105-549-8044	4-14	1A1A3B1MP237
6210-295-1909	6-5	4XDS1

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
6210-538-8770	3-13	1A3XDS2
6210-542-6393	3-13	1A3XDS1
6240-155-7836	3-13	1A3DS1
6240-155-7836	3-13	1A3DS2
6240-682-3411	6-5	4DS1
6680-106-2287	3-13	1A3M1
6680-113-5684	3-7	1A1G1
6720-018-9479	3-3	1A1A1MP32
6720-068-2195	3-4	1A1MP178
6720-106-7871	3-4	1A1MP189
6720-106-7871	3-4	1A1MP190
6720-106-7872	3-4	1A1MP342
6720-106-7873	3-4	1A1MP275
6720-106-7874		1A1MP155
6720-106-7875		1A1MP267
6720-106-7876	3-3	1A1A1MP121
6720-106-7877		1A1A1MP53
6720-106-7877		1A1A1MP54
6720-106-7878	3-3	1A1A1MP64
6720-106-7879		1A1A1MP84
6720-107-1291	3-3	1A1A1MP122
6720-107-1292	3-3	1A1A1MP120
6720-107-1293	3-4	1A1MP150
6720-107-1298	3-4	1A1MP213
6720-107-4390	3-8	1A2A3
6720-107-4391	3-8	1A2A4
6720-107-4393	3-8	1A2A5
6720-107-4395	3-8	1A2A2
6720-107-4396	3-10	1A2A2A1
6720-107-4397		1A3A1
6720-107-4403	3-3	1A1A1MP5
6720-107-4404	3-3	1A1A1MP7
6720-107-4406	3-3	1A1A1MP26
6720-107-4406	3-3	1A1A1MP27
6720-107-4407	3-3	1A1A1MP42
6720-107-4407	3-3	1A1A1MP43
6720-107-4408		1A1MP384
6720-107-4410	3-3	1A1A1MP41
6720-107-4411	3-4	1A1MP406
6720-107-4413	3-4	1A1MP405
6720-107-4414	3-4	1A1MP3
6720-107-4416	3-4	1A1MP383
6720-107-4417	3-4	1A1MP410
6720-107-4419	3-3	1A1A1MP9
6720-107-4420	3-3	1A1A1MP23
6720-107-4421	3-3	1A1A1MP11
6720-107-4423	3-4	1A1A1
6720-107-4425	3-8	1A2A1A1
6720-107-4426	3-3	1A1A1MP10
6720-107-4447	3-13	1A3MP551
6720-107-4449	3-16	MP576
6720-109-4499	3-4	1A1MP258
6720-111-6784	3-3	1A1A1MP58
6720-112-8759		1A1A1MP106
6720-112-8761		1A1A1MP101
6720-112-8764		1A1A1MP96
6720-112-8765		1A1A1MP91
6720-112-8768	3-4	1A1MP360
6720-112-8768	3-4	1A1MP361
6720-112-8772	3-4	1A1MP183
6720-112-8773		1A1MP391
6720-112-8774	3-3	1A1A1W1
6720-112-8775	3-4	1A1MP2
6720-112-8776	3-4	1A1MP329

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
6720-112-8779	3-3	1A1A1MP66
6720-112-8780		1A1A1MP28
6720-153-0042	3-18	MP616
6720-153-0044	6-3	1A1MP276
6720-155-4153	6-5	4MP12
6720-400-2590		4
6720-419-3126	3-3	1A1A1V1
6720-419-3127	3-3	1A1A1V1
6720-463-7461	4-14	1A1A3B1MP249
6720-824-2919	3-4	1A1MP167
6720-890-7608		1A1
6720-890-7609		1A2
6720-914-9492		1A1MP309
6720-914-9492		1A1MP310
6720-914-9492		1A1MP311
6720-914-9492		1A1MP312
6760-071-7014		MP567
6760-071-7016		MP577
6760-071-7017	3-16	MP603
6760-071-9352	3-16	MP738
6760-071-9352	3-16	MP747
6760-071-9352	3-16	MP777
6760-071-9352	3-16	MP778
6760-071-9353	3-16	MP745
6760-071-9361	3-3	1A1A1MP117
6760-071-9362	3-3	1A1A1MP8
6760-072-6256		MP759
6760-072-6256		MP760
6760-074-3229	3-3	1A1A1MP52
6760-074-3235	3-3	1A1A1MP57
6760-110-9891	3-18	MP617
6760-110-9892	3-18	MP618

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
6760-110-9893	3-17	MP694
6760-110-9894	3-17	MP695
6760-110-9895	3-19	MP708
6760-110-9896		MP590
6760-110-9896		MP591
6760-110-9897		MP583
6760-110-9898		MP723
6760-110-9899	3-19	MP709
6760-110-9900	3-16	MP736
6760-111-2815	3-16	MP615
6760-111-2817	3-16	MP601
6760-111-6782	3-16	MP611
6760-111-6783	3-17	MP687
6760-111-6785	3-19	MP707
6760-111-6786	3-19	MP706
6760-111-6787	3-17	MP688
6760-111-6788	3-3	1A1A1MP56
6760-112-0520	3-16	MP600
6760-112-0521	3-16	MP607
6760-112-0522	3-16	MP608
6760-112-0523		MP628
6760-112-0524	3-18	MP645
6760-112-0524	3-18	MP646
6760-112-0524	3-18	MP647
6760-112-0524	3-18	MP648
6760-112-0524	3-18	MP649
6760-112-0524	3-18	MP650
6760-112-0524	3-18	MP651
6760-112-0524	3-18	MP652
6760-112-0525		MP786
6760-112-0526		MP739
6760-112-0528	3-16	MP609

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
6760-112-0528	3-16	MP610
6760-112-0529	3-16	MP785
6760-112-0530	3-16	MP797
6760-112-0531		MP730
6760-116-0671	3-16	MP612
6760-116-0672	3-7	1A1A4
6760-182-4913		4MP22
6760-285-7644	4-14	1A1A3B1MP255
6760-658-7994	4-14	1A1A3B1MP250
6760-658-7994	4-14	1A1A3B1MP251
6760-860-5902	3-8	1A2A1MP499
6760-860-5902	3-13	1A3MP561
6760-860-5902	6-5	4MP21
6760-901-7322	3-16	MP749
6760-901-7322	3-16	MP750
6760-909-8067	3-16	MP779
6760-922-5802		MP562
6760-922-5803		1A3
6760-923-3053	3-16	MP775
6760-923-3053	3-16	MP776
6760-923-3054	3-4	1A1MP365
6760-923-3054	3-4	1A1MP366
6760-923-3054	3-4	1A1MP367
6760-923-3054	3-4	1A1MP368
6760-923-3054	3-16	MP754
6760-923-3054	3-16	MP755
6760-923-3054	3-16	MP756
6760-923-3054	3-16	MP757

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF. DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
AN340C3	88044	3-4	1A1H210
AN340C3	88044	3-4	1A1H211
AN50006-5	88044	3-12	1A2A1A1H292
AN565AC2H4	88044	3-3	1A1A1MP79
AN565AC2H4	88044	3-4	1A1MP339
AN565AC2H4	88044	3-4	1A1MP340
AN565DC4H3	88044	3-3	1A1A1MP80
AN565DC4H3	88044	3-3	1A1A1MP81
AN565ECH4	88044	3-4	1A1MP313
AN565ECH4	88044	3-4	1A1MP314
AN565ECH4	88044	3-4	1A1MP315
AN565ECH4	88044	3-4	1A1MP316
AN565ECH4	88044	3-4	1A1MP317
AN565ECH4	88044	3-4	1A1MP318
AN565ECH4	88044	3-4	1A1MP319
AN565ECH4	88044	3-4	1A1MP320
AN565EC4H3	88044	3-3	1A1A1MP82
AN565FC6H12	88044		1A1MP341
AN960C516L	88044	3-14	1A3A1H406
AVFS1KDD7	21335	3-4	1A1MP129
A10122	07047		1A2A3MP433
A10122	07047		1A2A3MP434
A10122	07047		1A2A3MP435
A10122	07047		1A2A3MP436
A10122	07047		1A2A5MP464
A10122	07047		1A2A5M465
A532-401-4	72314	4-14	1A1A3B1H156
A532-401-4	72314	4-14	1A1A3B1H157
A597-34	72314		1A1A3B1MP220
A597-36	72314		1A1A3B1MP221
A597-36	72314		1A1A3B1MP222
A602-26	95238		1A2A1A1MP484

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
A602-26	95238		1A2A1A1MP485
A602-26	95238		1A2A1A1MP486
A602-26	95238		1A2A1A1MP487
CG115	23266	3-7	1A1MP172
CG141A	23266	3-3	1A1A1MP47
CG141A	23266	3-3	1A1A1MP48
CG141A	23266	3-3	1A1A1MP49
CKR05CW221KM	81349	6-24	1A2A3C3
CKR06BX472KM	81349		1A1A3B1C1
CKR06BX563KM	81349	6-24	1A2A3C2
CKR06BX563KM	81349	6-24	1A2A3C4
CKR06CW104KM	81349	6-22	1A2A5C11
CKR06CW104KP	81349	6-22	1A2A5C9
CKR06CW104KP	81349	6-22	1A2A5C10
CK05CW221K	81349	6-22	1A2A5C6
CK05CW221K	81349	6-22	1A2A5C8
CK05CW221K	81349	6-26	1A2A4C7
CK06CW103K	81349	6-24	1A2A3C5
CLS632-1	46384		1A3MP524
CLS632-1	46384		1A3MP525
CLS632-1	46384		1A3MP526
CLS632-1	46384		1A3MP527
CLS632-1	46384		1A3MP528
CLS632-1	46384		1A3MP529
CLS632-1	46384		1A3MP530
CLS632-1	46384		1A3MP531
CLS632-1	46384		1A3MP532
CLS632-1	46384		1A3MP533
CLS632-1	46384		1A3MP534
CLS632-1	46384		1A3MP535
CL31CJ140MP3	81349	6-32	1A2A2A1C1
CL31CJ140MP3	81349	6-32	1A2A2A1C2

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
CL832-2	46384		1A2MP419
CL832-2	46384		1A2MP420
CL832-2	46384		1A2MP421
CL832-2	46384		1A2MP422
CSR13E225KM	81349	6-24	1A2A3C6
CSR13F476KM	81349	6-26	1A2A4C1
CSR13F476KM	81349	6-26	1A2A4C4
CSR13G105KM	81349	6-22	1A2A5C2
CSR13G105KM	81349	6-24	1A2A3C1
CSR13G105KM	81349	6-24	1A2A3C2
CSR13G105KM	81349	6-24	1A2A3C7
CSR13G105KM	81349	6-26	1A2A4C5
CSR13G105KM	81349	6-26	1A2A4C6
CSR13G105KM	81349	6-26	1A2A4C9
CSR13G106KM	81349	6-31	1A3A1A1C2
CSR13G475KM	81349	6-26	1A2A4C2
CSR13G475KM	81349	6-31	1A3A1A1C1
CSR13G475KM	81349	6-31	1A3A1A1C3
C59	00141	4-12	1A1A3B1H160
059	00141	4-12	1A1A3B1H161
DHS4-1/32	10012		1A2A2MP513
DHS4-1/32	10012		1A2A2MP514
D4-128	95987		1A1H80
D4-128	95987		1A1H81
D4-128	95987		1A1H82
D4-128	95987	3-3	1A1A1H29
D4-128	95987	3-3	1A1A1H30
D4-128	95987	3-8	1A2H258
D4-128	95987	3-10	1A2A2H317
D6-1	00141		1A1MP407
FS3KDDFS171	21335		MP578

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
FT029A01	81349		1A1A3B1E3
FT029A01	81349		1A1A3B1E4
F114-30-16	72314		1A1MP165
F114-50-10	72314	3-7	1A1A3MP257
F114-50-11	72314	3-4	1A1MP280
F114-50-11	72314	3-4	1A1MP386
F114-50-6	72314		1A1MP387
F114-50-6	72314	3-4	1A1MP195
F114-50-6	72214	3-4	1A1MP352
F114-50-8	72314	3-4	1A1MP394
F114-50-8	72314	3-16	MP802
F137-1-4LV	72314	3-3	1A1A1MP86
F200-1C55	72314	3-16	MP749
F200-1C55	72314	3-16	MP750
F200-2C107	72314	3-4	1A1MP363
F200-2C107	72314	3-4	1A1MP364
F200-2C12	72314	3-18	MP659
F200-2C55	72314	3-16	MP751
F200-2C55	72314	3-16	MP752
F200-2063	72314	3-16	MP753
F200-2C73	72314	3-16	MP775
F200-2C73	72314	3-16	MP776
F200-2C74	72314	3-16	MP754
F200-2C74	72314	3-16	MP755
F200-2C74	72314	3-16	MP756
F200-2C74	72314	3-16	MP757
F200-2C74	72314	3-4	1A1MP365
F200-2C74	72314	3-4	1A1MP366
F200-2C74	72314	3-4	1A1MP367
F200-2C74	72314	3-4	1A1MP368
F200-2C75	72314	3-19	MP716
F200-2C75	72314	3-19	MP717

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
F200-2C75	72314	3-19	MP718
F79-3-8	72314	3-3	1A1A1MP59
F79-3-8	72314	3-3	1A1A1MP60
JS246	91929	3-3	1A1A1MP4
LL57J40P4E	16941	3-3	1A1A1MP83
LP9A1B205J	72314	3-12	1A2A1A1C1
LP9A1B205J	72314	6-22	1A2A5C5
MMT18M	00348	6-22	1A2A5T2
MODEL211	05820		1A2A3MP431
MS15795-801	96906	3-7	1A1H140
MS15795-801	96906	3-7	1A1H141
MS15795-802	96906	3-16	H454
MS15795-803	96906		1A1H212
MS15795-803	96906		1A1H213
MS15795-803	96906		1A2A3H244
MS15795-803	96906		1A2A3H245
MS15795-803	96906	3-4	1A1A1H21
MS15795-803	96906	3-8	1A2H256
MS15795-803	96906	3-8	1A2H257
MS15795-803	96906	3-10	1A2A2H332
MS15795-803	96906	3-10	1A2A2H333
MS15795-803	96906	3-10	1A2A2H334
MS15795-803	96906	3-10	1A2A2H335
MS15795-803	96906	3-10	1A2A2H336
MS15795-803	96906	3-10	1A2A2H337
MS15795-803	96906	3-10	1A2A2H338
MS15795-803	96906	3-10	1A2A2H339
MS15795-803	96906	3-13	1A3H439
MS15795-803	96906	3-13	1A3H440
MS15795-803	96906	3-14	1A3A1H415
MS15795-803	96906	3-14	1A3A1H416
MS15795-803	96906	3-14	1A3A1H417

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS15795-803	96906	3-14	1A3A1H418
MS15795-803	96906	6-5	4H35
MS15795-803	96906	6-5	4H36
MS15795-804	96906		H532
MS15795-804	96906		H533
MS15795-805	96906		1A2A1A1H290
MS15795-805	96906		1A2A1A1H291
MS15795-805	96906	3-4	1A1H68
MS15795-805	96906	3-4	1A1H69
MS15795-805	96906	3-4	1A1H70
MS15795-805	96906	3-4	1A1H71
MS15795-805	96906	3-13	1A9H368
MS15795-805	96906	3-13	1A3H369
MS15795-805	96906	3-13	1A3H370
MS15795-805	96906	3-13	1A3H371
MS15795-805	96906	3-13	1A3H372
MS15795-895	96906	3-13	1A3H373
MS15795-805	96906	3-13	1A3H374
MS15795-805	96906	3-13	1A3H375
MS15795-805	96906	3-14	1A3A1H392
MS15795-805	96906	3-14	1A3A1H393
MS15795-805	96906	3-14	1A3A1H394
MS15795-805	96906	3-14	1A3A1H395
MS15795-805	96906	3-14	1A3A1H396
MS15795-805	96906	3-14	1A3A1H397
MS15795-805	96906	3-14	1A3A1H398
MS15795-805	96906	3-14	1A3A1H399
MS15795-806	96906	3-16	H544
MS15795-806	96906	3-16	H545
MS15795-812	96906	3-9	1A2A6H265
MS16535-152	96906		1A2A5H250
MS16535-152	96906		1A2A5H251
MS16535-153	96906		4H21
MS16535-153	96906		4H22
MS16535-154	96906		1A2A1A1H287
MS16535-158	96906	3-4	1A1H95
MS16535-158	96906	3-4	1A1H96
MS16535-158	96906	3-4	1A1H97
MS16535-158	96906	3-4	1A1H98
MS16535-159	96906		H504
MS16535-159	96906		H505
MS16535-159	96906		H506
MS16535-159	96906		H507
MS16535-22	96906		1A2A3H239
MS16535-22	96906		1A3A1A1H404
MS16535-77	96906		1A2A5H246
MS16535-77	96906		1A2A5H247
MS16535-77	96906		1A3H348
MS16535-77	96906		1A3H349
MS16535-77	96906		1A3H350
MS16535-77	96906		1A3H351
MS16535-77	96906		1A3H354
MS16535-77	96906		1A3H355
MS16555-601	96906		1A1MP159
MS16555-601	96906		1A1MP160
MS16555-601	96906	3-3	1A1A1MP61
MS16555-601	96906	3-3	1A1A1MP62
MS16555-601	96906	3-17	MP690
MS16555-601	96906	3-17	MP691
MS16555-601	96906	3-17	MP692
MS16555-601	96906	3-17	MP693
MS16555-602	96906	3-16	MP672
MS16555-602	96906	3-16	MP673
MS16555-602	96906	3-16	MP674

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS16555-602	96906	3-16	MP675
MS16555-602	96906	3-16	MP676
MS16555-602	96906	3-16	MP677
MS16555-602	96906	3-16	MP678
MS16555-603	96906	3-18	MP631
MS16555-605	96906		1A1MP278
MS16555-605	96906		1A1MP398
MS16555-606	96906	3-3	1A1A1MP30
MS16555-617	96906	3-4	1A1MP161
MS16555-626	96906	3-4	1A1MP259
MS16555-626	96906	3-18	MP621
MS16555-634	96906		1A1MP205
MS16555-634	96906		1A1MP206
MS16555-634	96906		1A1MP207
MS16555-634	96906		1A1MP208
MS16555-634	96906		1A1MP209
MS16555-634	96906		1A1MP210
MS16555-634	96906		1A1MP260
MS16624-1012	96906		1A1MP330
MS16624-1012	96906	3-3	1A1[illegible]
MS16624-1012	96906	3-3	1A1A1M[illegible]
MS16624-1012	96906	3-3	1A1A1MP70
MS16624-1012	96906	3-3	1A1A1MP71
MS16624-1012	96906	3-3	1A1A1MP72
MS16624-1012	96906	3-4	1A1A1MP38
MS16624-1015	96906	3-3	1A1A1MP73
MS16624-1018	96906		1A1MP331
MS16624-1018	96906		1A1MP332
MS16624-1018	96906		1A1MP333
MS16624-1018	96906		1A1MP354
MS16624-1018	96906	3-4	1A1A1MP74
MS16624-1018	96906	3-4	1A1A1MP75

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATIO	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATIO
MS16624-1018	96906	3-4	1A1A1MP76
MS16624-1018	96906	3-4	1A1A1MP77
MS16624-4018	96906		MP720
MS16624-4025	96906	3-4	1A1MP334
MS16624-4025	96906	3-4	1A1MP335
MS16624-4025	96906	3-4	1A1MP336
MS16624-4025	96906	3-16	MP721
MS16624-4025	96906	3-16	MP735
MS16624-4025	96906	3-16	MP744
MS16624-4025	96906	3-16	MP771
MS16624-4025	96906	3-16	MP772
MS16624-4037	96906	3-4	1A1MP337
MS16626-4087	96906	3-4	1A1MP338
MS16632-4012	96906	3-18	MP636
MS16632-4025	96906		1A1MP355
MS16633-4009	96906		1A1A1MP78
MS16633-4009	96906	3-18	MP635
MS16633-4012	96906	3-17	MP696
MS16633-4018	96906	3-16	MP637
MS16633-4018	96906	3-16	MP638
MS16633-4018	96906	3-16	MP639
MS16633-4018	96906	3-16	MP640
MS16633-4018	96906	3-16	MP641
MS16633-4018	96906	3-16	MP642
MS16633-4018	96906	3-16	MP643
MS16633-4018	96906	3-16	MP644
MS16633-4025	96906	3-16	MP722
MS16996-16	96906	3-4	1A1H202
MS16996-16	96906	3-4	1A1H203
MS16996-3	96906	3-4	1A1H214
MS17803-16-20	96906		1A1A1W1E1
MS17803-16-20	96906		1A1A1W1E2

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS17803-16-20	96906		1A1A1W1E3
MS17803-16-20	96906		1A1A1W1E4
MS17803-16-20	96906		1A1A1W1E5
MS17803-16-20	96906		1A1A1W1E6
MS17803-16-20	96906		1A1A1W1E7
MS17803-16-20	96906		1A1A1W1E8
MS17803-16-20	96906		1A1A1W1E9
MS17802-16-20	96906		1A1A1W1E10
MS17804-16-20	96906		1A1W1E1
MS17804-16-20	96906		1A1W1E2
MS17804-16-20	96906		1A1W1E3
MS17804-16-20	96906		1A1W1E4
MS17804-16-20	96906		1A1W1E5
MS17804-16-20	96906		1A1W1E6
MS17804-16-20	96906		1A1W1E7
MS17804-16-20	96906		1A1W1E8
MS17804-16-20	96906		1A1W1E9
MS17804-16-20	96906		1A1W1E10
MS18175	96906		1A1A1W1P1
MS18176	96906	6-38	1A1A1W1P3
MS18177	96906	6-37	1A1W1J3
MS18195-1	96906		1A1A1W1H60
MS18195-1	96906		1A1A1W1H61
MS18195-2	96906		1A1A1W1H62
MS18195-2	96906		1A1A1W1H63
MS18196-1	96906		1A1W1MP411
MS18196-2	96906		1A1W1MP412
MS18232	96906		1A1A1W1E11
MS18232	96906		1A1A1W1E12
MS18232	96906		1A1A1W1E13
MS18232	96906		1A1A1W1E14
MS18232	96906		1A1A1W1E15

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS18232	96906		1A1A1W1E16
MS18232	96906		1A1A1W1E17
MS18232	96906		1A1A1W1E18
MS18232	96906		1A1A1W1E19
MS18232	96906		1A1A1W1E20
MS18233	96906		1A1W1E11
MS18233	96906		1A1W1E12
MS18233	96906		1A1W1E13
MS18233	96906		1A1W1E14
MS18233	96906		1A1W1E15
MS18233	96906		1A1W1E16
MS18233	96906		1A1W1E17
MS18233	96906		1A1W1E18
MS18233	96906		1A1W1E19
MS18233	96906		1A1W1E20
MS18233	96906		1A1A1W1E21
MS18233	96906		1A1A1W1E22
MS18233	96906		1A1A1W1E23
MS18233	96906		1A1A1W1E24
MS18233	96906		1A1A1W1E25
MS18233	96906		1A1A1W1E26
MS18233	96906		1A1A1W1E27
MS18233	96906		1A1A1W1E28
MS18233	96906		1A1A1W1E29
MS18233	96906		1A1A1W1E30
MS20426A3-3	96906		1A2A2H318
MS20426A3-3	96906		1A2A2H319
MS20426A3-4	96906		1A2H225
MS20426A3-4	96906		1A2H226
MS21044C04	96906	3-3	1A1A1H48
MS21044C04	96906	3-3	1A1A1H49
MS21045C04	96906	3-4	1A1H75

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS21045C04	96906	3-4	1A1H76
MS21083C04	96906		1A2A3H240
MS21083C04	96906		1A2A3H241
MS21083C04	96906	3-13	1A3H435
MS21083C04	96906	3-13	1A3H436
MS21083C04	96906	6-5	4H23
MS21083C04	96906	6-5	4H24
MS21083C06	96906		4H25
MS21083C06	96906		4H26
MS21083C06	96906		4H27
MS21083C06	96906		4H28
MS21083C06	96906	3-13	1A3H427
MS21083C06	96906	3-13	1A3H428
MS21083C06	96906	3-13	1A3H429
MS21083C06	96906	3-13	1A3H430
MS24585-83	96906	3-16	MP781
MS24585-83	96906	3-16	MP782
MS25036-1	96906	3-9	1A2A6W1E1
MF25036-1	96906	3-9	1A2A6W1E2
MS25036-1	96906	3-9	1A2A6W1E3
MS25036-1	96906	3-9	1A2A6W1E4
MS25036-3	96906		1A1W1E21
MS25036-3	96906		1A1W1E22
MS25036-48	96906		1A1W1E23
MS25036-48	96906		1A1W1E24
MS25036-48	96906		1A1W1E25
MS25036-48	96906		1A1W1E26
MS25036-48	96906		1A1W1E27
MS25036-48	96906		1A1W2E1
MS25036-48	96906		1A1W2E2
MS25036-48	96906		1A1A4E1
MS25036-48	96906		1A1A4E2

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS25041-2	96906	3-13	1A3XDS1
MS25041-3	96906	3-13	1A3XDS2
MS25085-1	96906	3-3	1A1A1S1
MS25089-3C	96906	3-13	1A3S5
MS25100-23	96906	3-13	1A3S1
MS25100-23	96906	3-13	1A3S2
MS25100-23	96906	3-13	1A3S3
MS25237-327	96906	3-13	1A3DS1
MS25237-327	96906	3-13	1A3DS2
MS25331-4	96906	6-5	4XDS1
MS26574-1-1-2	96906	3-8	1A2A1CB1
MS26574-3	96906	3-8	1A2A1CB2
MS3122E20-39P	96906	6-37	1A1W1J1
MS3127E14-19P	96906		4W1J1
MS3127E14-19S	96906	3-12	1A2A1A1J3
MS3127E16-26P	96906	3-12	1A2A1A1J2
MS3127E16-26S	96906	3-13	1A3W1J2
MS3127E20-39S	96906	3-12	1A2A1A1J1
MS3181-14C	96906	3-8	1A2A1MP479
MS3181-16C	96906	3-8	1A2A1MP480
MS3181-20C	96906	3-8	1A2A1MP481
MS35338-135	96906	3-10	1A2A2H340
MS35338-135	96906	3-10	1A2A2H341
MS25228-135	96906	3-10	1A2A2H342
MS35338-135	96906	3-10	1A2A2H343
MS35338-135	96906	3-10	1A2A2H344
MS35338-135	96906	3-10	1A2A2H345
MS35338-135	96906	3-10	1A2A2H346
MS35338-135	96906	3-10	1A2A2H347
MS35338-136	96906	3-13	1A3H376
MS35338-136	96906	3-13	1A3H377
MS35338-136	96906	3-13	1A3H378

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS35338-136	96906	3-13	1A3H379
MS35338-136	96906	3-13	1A3H380
MS35338-136	96906	3-13	1A3H381
MS35338-136	96906	3-13	1A3H382
MS35338-136	96906	3-13	1A3H383
MS35338-136	96906	4-14	1A1A3B1H158
MS35338-136	96906	4-14	1A1A3B1H159
MS35338-137	96906	3-8	1A2A1H296
MS35338-137	96906	3-8	1A2A1H297
MS35336-79	96906	3-14	1A3A1H400
MS35338-79	96906	3-14	1A3A1H401
MS35338-79	96906	3-14	1A3A1H402
MS35338-79	96906	3-14	1A3A1H403
MS35431-2	96906		1A2A2E1
MS35431-3	96906		1A3W1E1
MS35489-33	96906	3-9	1A2A6MP477
MS35490-48	96906	3-4	1A1MP199
MS35649-244	96906	3-3	1A1A1H27
MS35649-44	96906		1A3A1H407
MS35649-44	96906		1A3A1H408
MS35649-44	96906		1A3A1H409
MS35649-44	96906		1A3A1H410
MS35649-44	96906	3-8	1A2H252
MS35649-64	96906		MP670
MS35649-64	96906		1A1H163
MS35650-104	96906	3-4	1A1H172
MS35650-104	96906	3-4	1A1H173
MS35650-104	96906	3-4	1A1H174
MS35650-104	96906	3-4	1A1H175
MS35672-16	96906	3-4	1A1MP351
MS35672-16	96906	3-16	MP734
MS35672-16	96906	3-16	MP743
MS35672-17	96906	3-4	1A1MP194
MS35672-17	96906	3-16	MP789
MS35672-17	96906	3-16	MP789A
MS35672-17	96906	3-16	MP800
MS35672-18	96906		1A1MP393
MS35672-18	96906	3-16	MP605
MS35672-19	96906	3-16	MP790
MS35672-19	96906	3-16	MP801
MS35672-22	96906	3-4	1A1MP163
MS35672-22	96906	3-4	1A1MP164
MS35672-7	96906	3-4	1A1L1MP380
MS35672-7	96906	3-16	MP725
MS35691-530	96906	3-14	1A3A1H405
MS51957-1	96906		1A2A6H263
MS51957-1	96906		1A2A6H264
MS51957-1	96906	3-4	1A1H1
MS51957-12	96906		1A1A3B1H162
MS51957-12	96906	3-3	1A1A1H34
MS51957-12	96906	3-3	1A1A1H35
MS51957-12	96906	3-3	1A1A1H36
MS51957-12	96906	3-3	1A1A1H37
MS51957-12	96906	3-3	1A1A1H38
MS51957-12	96906	3-4	1A1H176
MS51957-12	96906	3-4	1A1H177
MS51957-12	96906	3-4	1A1H178
MS51957-12	96906	3-4	1A1H179
MS51957-12	96906	3-4	1A1H180
MS51957-12	96906	3-4	1A1H181
MS51957-12	96906	3-4	1A1H182
MS51957-12	96906	3-4	1A1H183
MS51957-12	96906	3-4	1A1H184
MS51957-12	96906	3-4	1A1H185

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51957-12	96906	3-8	1A2H298
MS51957-12	96906	3-8	1A2H299
MS51957-12	96906	3-10	1A2A2H320
MS51957-12	96906	3-10	1A2A2H321
MS51957-12	96906	3-10	1A2A2H322
MS51957-12	96906	3-10	1A2A2H323
MS51957-12	96906	3-10	1A2A2H324
MS51957-12	96906	3-10	1A2A2H325
MS51957-12	96906	3-10	1A2A2H326
MS51957-12	96906	3-10	1A2A2H328
MS51957-12	96906	3-10	1A2A2H329
MS51957-12	96906	3-10	1A2A2H330
MS51957-12	96906	3-10	1A2A2H331
MS51957-12	96906	3-16	H508
MS51957-12	96906	3-16	H509
MS51957-12	96906	3-16	H510
MS51957-12	96906	3-16	H511
MS51957-13	96906		H530
MS51957-13	96906		H531
MS51957-13	96906	3-3	1A1A1H9
MS51957-13	96906	3-3	1A1A1H10
MS51957-13	96906	3-3	1A1A1H11
MS51957-13	96906	3-3	1A1A1H12
MS51957-13	96906	3-3	1A1A1H13
MS51957-13	96906	3-3	1A1A1H14
MS51957-13	96906	3-3	1A1A1H15
MS51957-13	96906	3-3	1A1A1H16
MS51957-13	96906	3-3	1A1A1H17
MS51957-13	96906	3-3	1A1A1H18
MS51957-13	96906	3-3	1A1A1H19
MS51957-13	96906	3-3	1A1A1H20
MS51957-13	96906	3-7	1A1H131

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51957-13	96906	3-7	1A1H132
MS51957-13	96906	3-7	1A1H133
MS51957-13	96906	3-7	1A1H134
MS51957-13	96906	3-7	1A1H135
MS51957-13	96906	3-7	1A1H136
MS51957-13	96906	3-7	1A1H137
MS51957-13	96906	3-10	1A2A2H304
MS51957-13	96906	3-10	1A2A2H305
MS51957-13	96906	3-10	1A2A2H306
MS51957-13	96906	3-10	1A2A2H307
MS51957-13	96906	3-10	1A2A2H308
MS51957-13	96906	3-10	1A2A2H309
MS51957-13	96906	3-10	1A2A2H310
MS51957-13	96906	3-10	1A2A2H311
MS51957-13	96906	3-10	1A2A2H312
MS51957-13	96906	3-10	1A2A2H313
MS51957-13	96906	3-10	1A2A2H314
MS51957-13	96906	3-10	1A2A2H315
MS51957-13	96906	3-10	1A2A2H316
MS51957-13	96906	3-16	H441
MS51957-13	96906	3-16	H442
MS51957-13	96906	3-16	H443
MS51957-13	96906	3-16	H444
MS51957-13	96906	3-16	H445
MS51957-13	96906	3-16	H446
MS51957-13	96906	3-16	H447
MS51957-13	96906	3-16	H448
MS51957-13	96906	3-16	H449
MS51957-13	96906	3-16	H450
MS51957-13	96906	3-16	H451
MS51957-13	96906	3-16	H452
MS51957-13	96906	3-17	H536

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51957-13	96906	3-17	H537
MS51957-13	96906	3-17	H538
MS51957-13	96906	3-17	H539
MS51957-14	96906	3-4	1A1H164
MS51957-14	96906	3-4	1A1H165
MS51957-14	96906	3-4	1A1H166
MS51957-14	96906	3-4	1A1H167
MS51957-14	96906	3-4	1A1H168
MS51957-14	96906	3-4	1A1H169
MS51957-14	96906	3-4	1A1H170
MS51957-14	96906	3-4	1A1H171
MS51957-14	96906	3-16	H499
MS51957-14	96906	3-16	H500
MS51957-14	96906	3-16	H501
MS51957-14	96906	3-16	H502
MS51957-14	96906	3-16	H503
MS51957-14	96906	3-16	H542
MS51957-14	96906	3-16	H543
MS51957-15	96906		1A1H77
MS51957-15	96906	3-14	1A3A1H411
MS51957-15	96906	3-14	1A3A1H412
MS51957-15	96906	3-14	1A3A1H413
MS51957-15	96906	3-14	1A3A1H414
MS51957-16	96906		1A2A3H242
MS51957-16	96906		1A2A3H243
MS51957-16	96906	3-3	1A1A1H50
MS51957-16	96906	3-3	1A1A1H51
MS51957-16	96906	3-13	1A3H437
MS51957-16	96906	3-13	1A3H438
MS51957-17	96906	6-5	4H29
MS51957-17	96906	6-5	4H30
MS51957-18	96906	3-8	1A2H253
MS51957-18	96906	3-3	1A2H254
MS51957-18	96906	3-8	1A2H255
MS51957-2	96906	3-19	H540
MS51957-2	96906	3-19	H541
MS51957-25	96906		H546
MS51957-25	96906		H547
MS51957-25	96906	3-4	1A1H99
MS51957-25	96906	3-4	1A1H100
MS51957-25	96906	3-4	1A1H101
MS51957-25	96906	3-4	1A1H102
MS51957-26	96906		1A1H151
MS51957-26	96906		1A1H152
MS51957-26	96906	3-4	1A1H83
MS51957-26	96906	3-4	1A1H84
MS51957-26	96906	3-4	1A1H85
MS51957-26	96906	3-4	1A1H86
MS51957-26	96906	3-4	1A1H87
MS51957-26	96906	3-4	1A1H88
MS51957-26	96906	3-4	1A1H89
MS51957-26	96906	3-4	1A1H90
MS51957-26	96906	3-4	1A1A1H39
MS51957-26	96906	3-13	1A3H356
MS51957-26	96906	3-13	1A3H357
MS51957-26	96906	3-13	1A3H358
MS51957-26	96906	3-13	1A3H359
MS51957-26	96906	3-16	H457
MS51957-26	96906	3-16	H458
MS51957-26	96906	3-16	H459
MS51957-26	96906	3-16	H460
MS51957-26	96906	3-16	H461
MS51957-26	96906	3-16	H462
MS51957-26	96906	3-16	H463

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51957-26	96906	3-16	H464
MS51957-26	96906	3-16	H465
MS51957-26	96906	3-16	H466
MS51957-26	96906	3-16	H467
MS51957-26	96906	3-16	H468
MS51957-26	96906	3-16	H469
MS51957-26	96906	3-16	H470
MS51957-26	96906	3-16	H471
MS51957-26	96906	3-16	H472
MS51957-26	96906	3-16	H473
MS51957-26	96906	3-16	H474
MS51957-26	96906	3-16	H475
MS51957-26	96906	3-16	H476
MS51957-26	96906	3-16	H477
MS51957-26	96906	3-16	H478
MS51957-26	96906	3-16	H479
MS51957-26	96906	3-16	H480
MS51957-26	96906	3-16	H481
MS51957-26	96906	3-16	H482
MS51957-26	96906	3-16	H483
MS51957-26	96906	3-16	H484
MS51957-26	96906	3-16	H485
MS51957-26	96906	3-16	H486
MS51957-26	96906	3-16	H487
MS51957-26	96906	3-16	H488
MS51957-26	96906	3-16	H489
MS51957-26	96906	3-16	H490
MS51957-26	96906	3-16	H491
MS51957-26	96906	3-16	H492
MS51957-26	96906	3-16	H493
MS51957-26	96906	3-16	H494
MS51957-26	96906	3-16	H495
MS51957-26	96906	3-16	H496
MS51957-26	96906	3-16	H497
MS51957-26	96906	3-16	H498
MS51957-27	96906		1A1H72
MS51957-27	96906		1A1H73
MS51957-27	96906		1A1H74
MS51957-27	96906	3-3	1A1A1H44
MS51957-27	96906	3-3	1A1A1H45
MS51957-27	96906	3-3	1A1A1H46
MS51957-27	96906	3-3	1A1A1H47
MS51957-27	96906	3-4	1A1H103
MS51957-27	96906	3-4	1A1H104
MS5195727	96906	3-4	1A1H105
MS51957-27	96906	3-4	1A1H106
MS51957-27	96906	3-4	1A1H107
MS51957-27	96906	3-4	1A1H108
MS51957-27	96906	3-4	1A1H109
MS51957-27	96906	3-4	1A1H110
MS51957-27	96906	3-4	1A1H111
MS51957-27	96906	3-4	1A1H112
MS51957-27	96906	3-4	1A1H113
MS51957-27	96906	3-4	1A1H114
MS51957-27	96906	3-4	1A1H115
MS51957-27	96906	3-4	1A1H116
MS51957-27	96906	3-4	1A1H117
MS51957-27	96906	3-4	1A1H118
MS51957-27	96906	3-4	1A1H119
MS51957-27	96906	3-4	1A1H120
MS51957-27	96906	3-4	1A1H121
MS51957-27	96906	3-4	1A1H122
MS51957-27	96906	3-4	1A1H123
MS51957-27	96906	3-4	1A1H124

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51957-27	96906	3-4	1A1H125
MS51957-27	96906	3-4	1A1H126
MS51957-27	96906	3-8	1A2H259
MS51957-27	96906	3-8	1A2H260
MS51957-27	96906	3-8	1A2H261
MS51957-27	96906	3-8	1A2H262
MS51957-27	96906	3-13	1A3H360
MS51957-27	96906	3-13	1A3H361
MS51957-27	96906	3-13	1A3H362
MS51957-27	96906	3-13	1A3H363
MS51957-27	96906	3-13	1A3H364
MS51957-27	96906	3-13	1A3H365
MS51957-27	96906	3-13	1A3H366
MS51957-27	96906	3-13	1A3H367
MS51957-27	96906	3-13	1A3H431
MS51957-27	96906	3-13	1A3H432
MS51957-27	96906	3-13	1A3H433
MS51957-27	96906	3-13	1A3H434
MS51957-27	96906	3-14	1A3A1H384
MS51957-27	96906	3-14	1A3A1H385
MS51957-27	96906	3-14	1A3A1H386
MS51957-27	96906	3-14	1A3A1H387
MS51957-27	96906	3-14	1A3A1H388
MS51957-27	96906	3-14	1A3A1H389
MS51957-27	96906	3-14	1A3A1H390
MS51957-27	96906	3-14	1A3A1H391
MS51957-27	96906	6-5	4H5
MS51957-27	96906	6-5	4H6
MS51957-27	96906	6-5	4H7
MS51957-27	96906	6-5	4H8
MS51957-28	96906		1A1H64
MS51957-28	96906		1A1H65
MS51957-28	96906		1A1H66
MS51957-28	96906		1A1H67
MS51957-28	96906		1A2A1H270
MS51957-28	96906		1A2A1H271
MS51957-28	96906		1A2A1H272
MS51957-28	96906		1A2A1H273
MS51957-28	96906		1A2A1H274
MS51957-28	96906		1A2A1A1H288
MS51957-28	96906		1A2A1A1H289
MS51957-28	96906	3-3	1A1A1H40
MS51957-28	96906	3-3	1A1A1H41
MS51957-28	96906	3-3	1A1A1H42
MS51957-28	96906	3-3	1A1A1H43
MS51957-28	96906	6-5	4H31
MS51957-28	96906	6-5	4H32
MS51957-28	96906	6-5	4H33
MS51957-28	96906	6-5	4H34
MS51957-29	96906		1A1H215
MS51957-29	96906		1A1H216
MS51957-29	96906		1A1H217
MS51957-29	96906		1A1H218
MS51957-29	96906	3-3	1A1A1H22
MS51957-29	96906	3-3	1A1A1H23
MS51957-29	96906	3-3	1A1A1H24
MS51957-29	96906	3-3	1A1A1H25
MS51957-29	96906	3-3	1A1A1H26
MS51957-3	96906	3-3	1A1A1H31
MS51957-3	96906	3-3	1A1A1H32
MS51957-3	96906	3-3	1A1A1H33
MS51957-3	96906	3-16	H453
MS51957-30	96906		1A2A1H275
MS51957-30	96906		1A2A1H276

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51957-30	96906		1A2A1H277
MS51957-30	96906		1A2A1H278
MS51957-30	96906		1A2A1H279
MS51957-30	96906		1A2A1H280
MS51957-30	96906		1A2A1H281
MS51957-30	96906		1A2A1H282
MS51957-30	96906		1A2A1H283
MS51957-30	96906		1A2A1H284
MS51957-30	96906		1A2A1H285
MS51957-30	96906		1A2A1H286
MS51957-31	96906	3-13	1A3H419
MS51957-31	96906	3-13	1A3H420
MS51957-31	96906	3-13	1A3H421
MS51957-31	96906	3-13	1A3H422
MS51957-31	96906	3-16	H528
MS51957-31	96906	3-16	H529
MS51957-31	96906	6-5	4H1
MS51957-31	96906	6-5	4H2
MS51957-31	96906	6-5	4H3
MS51957-31	96906	6-5	4H4
MS51957-31	96906	6-37	1A1W1H219
MS51957-31	96906	6-37	1A1W1H220
MS51957-42	96906		1A2H266
MS51957-42	96906		1A2H267
MS51957-42	96906		1A2H268
MS51957-42	96906		1A2H269
MS51957-45	96906	3-7	1A1H153
MS51957-45	96906	3-7	1A1H154
MS51957-45	96906	3-7	1A1H155
MS51957-46	96906	3-8	1A2A1H294
MS51957-46	96906	3-8	1A2A1H295
MS51958-63	96906	3-4	1A1H142
MS51958-63	96906	3-4	1A1H143
MS51958-63	96906	3-4	1A1H144
MS51958-63	96906	3-4	1A1H145
MS51958-63	96906	3-4	1A1H146
MS51958-63	96906	3-4	1A1H147
MS51958-66	96906	3-7	1A1H148
MS51958-66	96906	3-7	1A1H149
MS51959-1	96906	3-4	1A1H127
MS51959-1	96906	3-4	1A1H128
MS51959-1	96906	3-4	1A1H129
MS51959-1	96906	3-4	1A1H130
MS51959-12	96906	3-4	1A1H208
MS51959-12	96906	3-4	1A1H209
MS51959-13	96906	3-3	1A1A1H54
MS51959-13	96906	3-3	1A1A1H55
MS51959-13	96906	3-3	1A1A1H56
MS51959-13	96906	3-3	1A1A1H57
MS51959-13	96906	3-3	1A1A1H58
MS51959-13	96906	3-3	1A1A1H59
MS51959-13	96906	6-5	4H17
MS51959-13	96906	6-5	4H18
MS51959-13	96906	6-5	4H19
MS51959-13	96906	6-5	4H20
MS51959-14	96906	3-13	1A3H352
MS51959-14	96906	3-13	1A3H353
MS51959-15	96906		1A1A1H28
MS51959-17	96906		1A1H78
MS51959-17	96906		1A1H79
MS51959-25	96906	3-8	1A2H300
MS51959-25	96906	3-8	1A2H301
MS51959-25	96906	3-8	1A2H302
MS51959-25	96906	3-8	1A2H303

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
MS51959-25	96906	3-16	H512
MS51959-25	96906	3-16	H513
MS51959-26	96906		1A3H423
MS51959-26	96906		1A3H424
MS51959-26	96906		1A3H425
MS51959-26	96906		1A3H426
MS51959-26	96906	3-4	1A1H91
MS51959-26	96906	3-4	1A1H92
MS51959-26	96906	3-4	1A1H93
MS51959-26	96906	3-4	1A1H94
MS51959-26	96906	3-16	H514
MS51959-26	96906	3-16	H515
MS51959-26	96906	3-16	H516
MS51959-26	96906	3-16	H517
MS51959-26	96906	3-16	H518
MS51959-26	96906	3-16	H519
MS51959-26	96906	3-16	H520
MS51959-26	96906	3-16	H521
MS51959-26	96906	3-16	H522
MS51959-26	96906	3-16	H523
MS51959-26	96906	3-16	H524
MS51959-26	96906	3-16	H525
MS51959-27	96906		1A2H221
MS51959-27	96906		1A2H222
MS51959-27	96906		1A2H223
MS51959-27	96906		1A2H224
MS51959-28	96906		1A1H186
MS51959-28	96906		1A1H187
MS51959-28	96906		1A1H188
MS51959-28	96906		1A1H189
MS51959-28	96906		1A1H190
MS51959-28	96906		1A1H191
MS51959-28	96906		1A1H192
MS51959-28	96906		1A1H193
MS51959-28	96906		1A1H194
MS51959-28	96906		1A1H196
MS51959-28	96906		1A1H197
MS51959-28	96906		1A1H198
MS51959-28	96906		1A1H199
MS51959-28	96906		1A1H200
MS51959-28	96906		1A1H201
MS51959-28	96906	3-4	1A1H2
MS51959-28	96906	3-4	1A1H3
MS51959-28	96906	3-4	1A1H4
MS51959-28	96906	3-4	1A1H5
MS51959-28	96906	3-4	1A1H6
MS51959-28	96906	3-4	1A1H7
MS51959-7	96906		1A1A1H52
MS51959-7	96906		1A1A1H53
MS77073-2	96906		1A3E3
MS90335-1	96906	3-13	1A3J3
MS90335-1	96906	6-5	4J3
MS91528-2F2B	96906	6-5	4MP11
DM22T10XS2NH54	09922	6-37	1A1W1J2
M3192A20A	96906		4W1J1E1
M39019-1-19	81349	6-5	4CB1
NAS1081C04A4	80205	3-19	MP714
NAS1397R2B	80205	3-4	1A1MP173
NAS1397R2B	80205	3-4	1A1MP174
NAS1397R2B	80205	3-4	1A1MP175
NAS1397R3B	80205		1A2MP467
NAS1397R4B	80205	3-3	1A1A1MP45
NAS1397R6B	80205		1A1A1MP46
NAS1464B018-02C	80205		1A2A3MP430

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
NAS1464B018-04C	80205		1A3A1A1MP546
NAS1464B032-04C	80205		1A2A5MP459
NAS1464B032-04C	80205		1A2A5MP460
NAS1464B034-10N	80205		1A2A6MP476
NAS1464B050-04C	80205		1A2A1A1MP483
NAS1464B050-04C	80205		1A2A5MP461
NAS1635-01-3	80205	3-7	1A1H138
NAS1635-01-3	80205	3-7	1A1H139
NAS620C4	80205		1A2A1A1H293
NAS820-22A	80205	3-4	1A1MP169
NAS820-24A	80205	3-4	1A1MP170
NE51H	72619		4DS1
PCMB2M-1	09922		4W1MP1
PFSC3-1-2-38A	72794		1A3MP556
PFSC3-1-2-38A	72794		1A3MP557
PFSC3-1-2-38A	72794		1A3MP558
PFSC3-1-2-38A	72794		1A3MP559
PFSC3-1-2-38A	72794		4MP16
PFSC3-1-2-38A	72794		4MP17
PFSC3-1-2-38A	72794		4MP18
PFSC3-1-2-38A	72794		4MP19
PSP2497A1578	72314	3-4	1A1MP395
PSP2497A1750	72314	3-4	1A1MP196
PSP5009A1625	72314		1A1MP261
PSP5009A1625	72314		1A1MP262
PSP5009A1938	72314	3-4	1A1MP263
PSP87182000	72314	3-3	1A1A1MP89
RC20CE202J	72314	3-12	1A2A1A1R8
RC20GF100J	81349	6-22	1A2A5R47
RC20GF100J	81349	6-22	1A2A5R48
RC20GF100J	81349	6-26	1A2A4R23
RC20GF102J	81349	6-24	1A2A3R16
RC20GF102J	81349	6-26	1A2A4R5
RC20GF102J	81349	6-26	1A2A4R16
RC20GF103J	81349	6-22	1A2A5R51
RC20GF103J	81349	6-24	1A2A3R8
RC20GF103J	81349	6-24	1A2A3R11
RC20GF103J	81349	6-24	1A2A3R17
RC20GF103J	81349	6-24	1A2A3R18
RC20GF103J	81349	6-24	1A2A3R19
RC20GF103J	81349	6-24	1A2A3R20
RC20GF103J	81349	6-24	1A2A3R24
RC20GF103J	81349	6-24	1A2A3R27
RC20GF103J	81349	6-24	1A2A3R28
RC20GF103J	81349	6-24	1A2A3R30
RC20GF103J	81349	6-24	1A2A3R33
RC20GF103J	81349	6-24	1A2A3R34
RC20GF103J	81349	6-24	1A2A3R35
RC20GF103J	81349	6-24	1A2A3R36
RC20GF103J	81349	6-24	1A2A3R37
RC20GF103J	81349	6-24	1A2A3R38
RC20GF103J	81349	6-26	1A2A4R4
RC20GF103J	81349	6-26	1A2A4R7
RC20GF103J	81349	6-26	1A2A4R17
RC20GF103J	81349	6-31	1A3A1A1R7
RC20GF103J	81349	6-31	1A3A1A1R10
RC20GF152J	81349	6-22	1A2A5R7
RC20GF152J	81349	6-22	1A2A5R12
RC20GF152J	81349	6-22	1A2A5R33
RC20GF152J	81349	6-24	1A2A3R1
RC20GF152J	81349	6-26	1A2A4R24
RC20GF202J	81349	6-22	1A2A5R41
RC20GF202J	81349	6-24	1A2A3R39
RC20GF202J	81349	6-31	1A3A1A1R9

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FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
RC20GF221J	81349	6-24	1A2A3R5
RC20GF221J	81349	6-24	1A2A3R12
RC20GF221J	81349	6-26	1A2A4R20
RC20GF221J	81349	6-26	1A2A4R38
RC20GF222J	81349	6-24	1A2A3R2
RC20GF222J	81349	6-24	1A2A3R10
RC20GF222J	81349	6-24	1A2A3R29
RC20GF222J	81349	6-26	1A2A4R30
RC20GF222J	81349	6-26	1A2A4R31
RC20GF222J	81349	6-26	1A2A4R32
RC20GF223J	81349		4A1R19
RC20GF223J	81349	6-24	1A2A3R7
RC20GF223J	81349	6-24	1A2A3R15
RC20GF223J	81349	6-24	1A2A3R32
RC20GF223J	81349	6-26	1A2A4R18
RC20GF243J	81349	6-24	1A2A3R13
RC20GF271J	81349	6-26	1A2A4R13
RC20GF272J	81349	6-26	1A2A4R40
RC20GF272J	81349	6-26	1A2A4R41
RC20GF272J	81349	6-26	1A2A4R42
RC20GF303J	81349	6-24	1A2A3R44
RC20GF330J	81349	6-24	1A2A3R42
RC20GF333J	81349	6-24	1A2A3R3
RC20GF363J	81349	6-24	1A2A3R45
RC20GF392J	81349	6-26	1A2A4R6
RC20GF471J	81349	6-31	1A3A1A1R3
RC20GF472J	81349	6-24	1A2A3R14
RC20GF472J	81349	6-26	1A2A4R8
RC20GF472J	81349	6-26	1A2A4R29
RC20GF472J	81349	6-26	1A2A4R39
RC20GF510J	81349	6-31	1A3A1A1R2
RC20GF511J	81349	6-24	1A2A3R23
RC20GF511J	81349	6-31	1A3A1A1R4
RC20GF512J	81349	6-31	1A3A1A1R5
RC20GF513J	81349	6-26	1A2A4R9
RC20GF514J	81349	6-24	1A2A3R6
RC20GF514J	81349	6-24	1A2A3R31
RC20GF561J	81349	6-31	1A3A1A1R6
RC20GF562J	81349	6-26	1A2A4R28
RC32GF102J	81349	6-26	1A2A4R3
RC32GF192J	81349	6-22	1A2A5R37
RC32GF192J	81349	6-22	1A2A5R38
RC32GF192J	81349	6-22	1A2A5R39
RC32GF192J	81349	6-22	1A2A5R40
RC32GF221J	81349	6-26	1A2A4R19
RC32GF222J	81349		1A1A3B1R1
RC32GF470J	81349	6-24	1A2A3R26
RC42GF302J	81349	6-31	1A3A1A1R1
RC42GF391J	81349	6-22	1A2A5R1
RC42GF471J	81349	6-22	1A2A5R20
RJ228P503	81349	6-24	1A2A3R22
RN60C1000F	81349	6-22	1A2A5R17
RN60C1000F	81349	6-26	1A2A4R15
RN60C1001D	81349	6-22	1A2A5R50
RN60C1003F	81349	6-22	1A2A5R9
RN60C1003F	81349	6-22	1A2A5R18
RN60C1003F	81349	6-22	1A2A5R29
RN60C1003F	81349	6-22	1A2A5R30
RN60C1003F	81349	6-22	1A2A5R42
RN60C1020F	81349	6-26	1A2A4R15
RN60C1022D	81349	6-26	1A2A4R1
RN60C1022D	81349	6-26	1A2A4R2
RN60C1050F	81349	6-26	1A2A4R15
RN60C1101F	81349	6-22	1A2A5R43

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
RN60C1211F	81349	6-24	1A2A3R4
RN60C1211F	81349	6-26	1A2A4R27
RN60C1240F	81349		4A1R14
RN60C1302F	81349	6-26	1A2A4R22
RN60C1332F	81349	6-26	1A2A4R22
RN60C1372F	81349	6-26	1A2A4R22
RN60C1372F	81349	6-26	1A2A4R35
RN60C1402F	81349	6-26	1A2A4R22
RN60C1402F	81349	6-26	1A2A4R35
RN60C1432F	81349	6-26	1A2A4R22
RN60C1432F	81349	6-26	1A2A4R35
RN60C1472F	81349	6-26	1A2A4R35
RN60C1502F	81349	6-26	1A2A4R35
RN60C1542F	81349	6-26	1A2A4R25
RN60C1542F	81349	6-26	1A2A4R35
RN60C1580F	81349	6-22	1A2A5R3
RN60C1620F	81349	6-22	1A2A5R3
RN60C1650F	81349	6-22	1A2A5R3
RN60C2002F	81349	6-26	1A2A4R26
RN60C2003D	81349	6-26	1A2A4R12
RN60C2003F	81349	6-26	1A2A4R21
RN60C2102F	81349	6-22	1A2A5R45
RN60C2212F	81349	6-22	1A2A5R46
RN60C2212F	81349	6-24	1A2A3R21
RN60C2212F	81349	6-26	1A2A4R34
RN60C2322F	81349	6-26	1A2A4R34
RN60C2432F	81349	6-26	1A2A4R34
RN60C2552F	81349	6-26	1A2A4R34
RN60C2672F	81349	6-26	1A2A4R34
RN60C2802F	81349	6-22	1A2A5R11
RN60C2802F	81349	6-26	1A2A4R34
RN60C2942F	81349	6-26	1A2A4R34
RN60C3012F	81349	6-22	1A2A5R16
RN60C4021F	81349	6-22	1A2A5R32
RN60C4021F	81349	6-22	1A2A5R35
RN60C4640D	81349	3-12	1A2A1A1R7
RN60C4992F	81349	6-22	1A2A5R4
RN60C4992F	81349	6-22	1A2A5R10
RN60C5110F	81349	6-22	1A2A5R34
RN60C57R6F	81349	3-12	1A2A1A1R1
RN60C5902F	81349	6-26	1A2A4R33
RN60C60R4F	81349	3-12	1A2A1A1R5
RN60C6041D	81349	6-22	1A2A5R49
RN60C6190F	81349	6-26	1A2A4R14
RN60C6810F	81349	6-26	1A2A4R36
RN60C6811F	81349	6-22	1A2A5R2
RN60C7322F	81349	6-26	1A2A4R37
RN60C7322F	81349	6-30	1A1A4R2
RN60C88R7F	81349		4A1R18
RN60C88R7F	81349	3-12	1A2A1A1R6
RN60C97R6F	81349	6-26	1A2A4R15
RN60C9761F	81349	6-24	1A2A3R9
RN60C9761F	81349	6-30	1A1A4R3
RN60D21R5F	81349		4A1R17
RN60D28R7F	81349	3-12	1A2A1A1R3
RN60D20R7F	81349	3-12	1A2A1A1R4
RN60D30R1F	81349		4A1R16
RN60D31R6F	81349	3-12	1A2A1A1R2
RN60D37R4F	81349		4A1R15
RN60D5363F	81349	6-26	1A2A4R10
RN60D5493F	81349	6-26	1A2A4R10
RN60D5623F	81349	6-26	1A2A4R10
RN65C5233D	81349	6-26	1A2A4R11
RN70C2870F	81349		4A1R12

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
RN70C3240F	81349		4A1R9
RN70C4020F	81349		4A1R7
RN70C4020F	81349		4A1R10
RN70C4020F	81349		4A1R11
RN70C4120F	81349		4A1R13
RN70C4640F	81349		4A1R8
RT22C2P101	81349	6-24	1A2A3R25
RT22C2P102	81349		4A1R4
RT22C2P102	81349	6-22	1A2A5R8
RT22C2P202	81349	6-22	1A2A5R14
RT22C2P202	81349	6-22	1A2A5R15
RT22C2P202	81349	6-22	1A2A5R21
RT22C2P203	81349		1A1A4R1
RT22C2P501	81349	6-22	1A2A5R13
RW67V222	81349		4A1R2
RW68V2R7	81349	3-9	1A2A6R1
RW68V300	81349	3-10	1A2A2R1
RW68V300	81349	3-10	1A2A2R2
RW68V300	81349	3-10	1A2A2R3
RW68V300	81349	3-10	1A2A2R4
RW69V100	81349	6-32	1A2A2A1R5
RW69VR27	81349	3-9	1A2A6R2
RW69VR27	81349	6-24	1A2A3R43
RW69V2R0	81349	6-24	1A2A3R41
RW69V251	81349	6-24	1A2A3R40
RW69V510	81349		4A1R20
RW69V510	81349	6-31	1A3A1A1R8
RW69V561	81349		4A1R1
RW70U1001F	81349		4A1R6
RW74U9091F	81349		4A1R3
RY4YY4B3P12	81349	6-26	1A2A4K1
RY4YY4B3P12	81349	6-26	1A2A4K2
RY4YY4B3P12	81349	6-26	1A2A4K3
RY4YY4B3P12	81349	6-24	1A2A3K1
RZ23	59730	6-38	1A1A1W1E31
R4	92830	4-12	1A1A3B1MP256
SE180E01	81349		1A1E1
SE180E01	81349		1A1E2
SFR1445PPK25	83086	3-3	1A1A1MP12
SFR1445PPK25	83086	3-3	1A1A1MP13
SFR1445PPK25	83086	3-3	1A1A1MP14
SFR1445PPK25	83086	3-3	1A1A1MP15
SFR144KPPK25	83086	3-4	1A1MP130
SFR144KPPK25	83086	3-4	1A1MP131
SFR1555PPK25	83086	3-3	1A1A1MP16
SFR1555PPK25	83086	3-3	1A1A1MP17
SFR1563PPK25	83086	3-4	1A1MP132
SFR1563PPK25	83086	3-4	1A1MP133
SFR1563PPK25	83086	3-4	1A1MP134
SFR1563PPK25	83086	3-4	1A1MP135
SFR1563PPK25	83086	3-4	1A1MP344
SFR1563PPK25	83086	3-4	1A1MP345
SFR1663MMK25	83086	3-3	1A1A1MP18
SFR1663MMK25	83086	3-3	1A1A1MP19
SFR1683MMK25	83086	3-16	MP702
SFR1683MMK25	83086	3-16	MP703
SFR1683MMK25	83086	3-19	MP761
SFR1683MMK25	83086	3-19	MP762
SFR1683MMK25	83086	3-19	MP763
SFR1683MMK25	83086	3-19	MP764
SFR1883MMK25	83086		MP787
SFR1883MMK25	83086		MP798
SFR1883MMK25	83086	3-4	1A1MP136
SFR1883MMK25	83086	3-4	1A1MP137

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
SFR1883MMK25	83086	3-4	1A1MP138
SFR1883MMK25	83086	3-4	1A1MP139
SFR1883MMK25	83806	3-4	1A1MP140
SFR1883MMK25	83806	3-4	1A1MP141
SFR1883MMK25	83806	3-4	1A1MP142
SFR1883MMK25	83806	3-4	1A1MP143
SFR1883MMK25	83806	3-4	1A1MP144
SFR1883MMK25	83806	3-4	1A1MP145
SFR1883MMK25	83806	3-16	MP571
SFR1883MMK25	83806	3-16	MP572
SFR1883MMK25	83806	3-16	MP573
SFR1883MMK25	83806	3-16	MP574
SFR1883MMK25	83806	3-16	MP575
SFR1885PPK25	83806	3-4	1A1MP146
SFR35PPK25	83806	3-4	1A1MP147
SFR63PPDK25	83806	3-4	1A1MP152
SFR63PPDK25	83806	3-4	1A1MP153
SFR65PPDK25	83806	3-4	1A1MP148
SFR65PPDK25	83806	3-4	1A1MP149
SFR65PPDK25	83806	3-4	1A1MP154
SR13F476KM	83806		1A2A4C4
SF144PPK25	83806		1A1A1MP33
SR144PPK25	83806	3-3	1A1A1MP20
SR1665PPK25	83806	3-3	1A1A1MP21
SR1665PPK25	83806	3-3	1A1A1MP22
SR1683MMK25	83806		MP741
SR1683MMK25	83806		MP742
SR1683MMK25	83806	3-16	MP732
SR1683MMK25	83806	3-16	MP733
SR2-5PPK25	83806		1A1A1MP34
SR43MM	83806	4-14	1A1A3B1MP232
SR43MM	83806	4-14	1A1A3B1MP233

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
S093TF031H250	72314		1A2A5H248
S093TF031H250	72314		1A2A5H249
S125SP031F250	72314	3-3	1A1A1MP123
S126SP003A187	72314		1A1A1MP39
S126SP003A187	72314		1A1A1MP40
S128SP031F437	72314	3-17	MP698
S190SP10BH437	72314	3-16	MP758
S250AB200H312	72314	3-19	MP712
S250AB250H312	72314	3-19	MP713
S250SP048F437	72314	3-3	1A1A1MP111
04-0302-284	12881	3-8	1A2A1MP498
1N1614	81349	3-7	1A1CR2
1N1614	81349	3-9	1A2A6CR1
1N1614	81349	3-9	1A2A6CR2
1N1614	81349	3-9	1A2A6CR3
1N1614	81349	3-9	1A2A6CR4
1N2979B	81349	3-10	1A2A2VR1
1N2979B	81349	3-10	1A2A2VR2
1N2985B	81349	3-14	1A3A1VR3
1N3015RB	81349	3-9	1A2A6VR1
1N3016B	81349		4A1VR1
1N3611	81349		1A1CR1
1N3611	81349		1A1A3CR3
1N3611	81349	6-32	1A2A2A1CR1
1N3611	81349	6-32	1A2A2A1CR2
1N3611	81349	6-32	1A2A2A1CR3
1N3611	81349	6-32	1A2A2A1CR4
1N3611	81349	6-32	1A2A2A1CR5
1N3611	81349	6-32	1A2A2A1CR6
1N3611	81349	6-22	1A2A5CR1
1N3611	81349	6-22	1A2A5CR2
1N3611	81349	6-22	1A2A5CR3

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1N3611	81349	6-22	1A2A5CR4
1N3611	81349	6-24	1A2A3CR1
1N3611	81349	6-24	1A2A3CR2
1N3611	81349	6-24	1A2A3CR3
1N3611	81349	6-24	1A2A3CR4
1N3611	81349	6-24	1A2A3CR5
1N3611	81349	6-26	1A2A4CR1
1N3611	81349	6-26	1A2A4CR2
1N3611	81349	6-26	1A2A4CR3
1N3611	81349	6-26	1A2A4CR4
1N3611	81349	6-26	1A2A4CR5
1N3611	81349	6-26	1A2A4CR6
1N3611	81349	6-26	1A2A4CR7
1N3611	81349	6-26	1A2A4CR8
1N3611	81349	6-31	1A3A1A1CR1
1N3611	81349	6-31	1A3A1A1CR2
1N3611	81349	6-31	1A3A1A1CR3
1N3611	81349	6-31	1A3A1A1CR4
1N3612	81349		4A1CR1
1N3612	81349		4A1CR2
1N3612	81349		4A1CR3
1N3612	81349		4A1CR4
1N3612	81349		4A1CR5
1N4063A	81349	6-26	1A2A4VR2
1N750A	81349	6-22	1A2A5VR2
1N751A	81349	6-24	1A2A3VR1
1N751A	81349	6-26	1A2A4VR3
1N751A	81349	6-26	1A2A4VR4
1N752A	81349	6-22	1A2A5VR1
1N752A	81349	6-22	1A2A5VR4
1N752A	81349	6-22	1A2A5VR5
1N752A	81349	6-22	1A2A5VR6
1N752A	81349	6-26	1A2A4VR1
1N752A	81349	6-26	1A2A4VR5
1N753A	81349		1A3A1A1VR1
1N753A	81349	6-22	1A2A5VR3
1N964B	81349		1A3A1A1VR2
10-499	12881	3-13	1A3MP554
10-499	12881	3-13	1A3MP555
10-499	12881	6-5	4MP15
10026DAP	07047		1A2A3MP437
10026DAP	07047		1A2A3MP438
10026DAP	07047		1A2A3MP439
10026DAP	07047		1A2A3MP440
10026DAP	07047		1A2A3MP441
10026DAP	07047		1A2A3MP442
10026DAP	07047		1A2A3MP443
10026DAP	07047		1A2A3MP444
10026DAP	07047		1A2A3MP445
10026DAP	07047		1A2A3MP446
10026DAP	07047		1A2A4MP454
10026DAP	07047		1A2A4MP455
10026DAP	07047		1A2A4MP456
10026DAP	07047		1A2A4MP457
10026DAP	07047		1A3A1A1MP547
10043DAP	07047		1A3A1A1MP548
10050DAP	07047		1A2A4MP453
10104	07047		1A2A3MP447
10105	07047		1A2A4MP450
10105	07047		1A2A4MP451
10105	07047		1A2A4MP452
10105	07047		1A2A3MP432
10191DAP	07047		1A2A3MP448
10615	10581		4A1T1

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1076-120	72314	3-4	1A1MP305
1076-120	72314	3-4	1A1MP306
1076-120	72314	3-4	1A1MP307
1076-120	72314	3-4	1A1MP308
1076-121	72314	3-4	1A1MP309
1076-121	72314	3-4	1A1MP310
1076-121	72314	3-4	1A1MP311
1076-121	72314	3-4	1A1MP312
1076B28	72314	3-10	1A1MP301
1076B28	72314	3-10	1A1MP302
1076B28	72314	3-10	1A1MP303
1076B28	72314	3-10	1A1MP304
1093-144	72314	3-4	1A1MP400
1093-144	72314	3-4	1A1MP401
1093-144	72314	3-4	1A1MP402
1093-144	72314	3-4	1A1MP403
1093-171	72314	3-16	MP779
1093-4	72314	3-4	1A1MP321
1093-4	72314	3-4	1A1MP322
1093-4	72314	3-4	1A1MP323
1093-4	72314	3-4	1A1MP324
1093-4	72314	3-4	1A1MP325
1093-4	72314	3-4	1A1MP326
1093-4	72314	3-4	1A1MP327
1093-4	72314	3-4	1A1MP328
11359	14140	3-13	1A3S4
1150-599	72314	3-13	1A3EL1
1150-621	72314	7-5	4EL1
1165-113	72314	3-4	1A1MP291
1165-113	72314	3-4	1A1MP292
1165-113	72314	3-4	1A1MP293
1165-113	72314	3-4	1A1MP294
1165-113	72314	3-4	1A1MP295
1165-113	72314	3-4	1A1MP296
1165-113	72314	3-4	1A1MP297
1165-113	72314	3-4	1A1MP298
1177-19	72316	3-16	MP594
1177-19	72314	3-16	MP595
1193-111	72314	3-16	MP793
1193-112	72314	3-16	MP606
1193-113	72314	3-16	MP805
1193-130	72314	3-4	1A1MP272
1193-130	72314	3-4	1A1MP273
1193-130	72314	3-4	1A1MP274
1193-131	72314	3-4	1A1MP269
1193-131	72314	3-4	1A1MP270
1193-14	72314	3-4	1A1MP283
1193-14	72314	3-4	1A1MP284
1193-14	72314	3-4	1A1MP285
1193-14	72314	3-4	1A1MP286
1193-14	72314	3-4	1A1MP287
1193-14	72314	3-4	1A1MP288
1193-14	72314	3-4	1A1MP289
1193-14	72314	3-4	1A1MP290
1193-145-1	72314	3-16	MP596
1193-145-1	72314	3-16	MP597
1193-145-2	72314	3-4	1A1MP182
1193-145-2	72314	3-16	MP602
1193-15	72314	3-16	MP579
1193-16	72314	3-16	MP568
1193-2	72314	3-3	1A1A1R1
1193-20	72314	3-16	MP681
1193-56	72314	3-4	1A1MP189
1193-56	72314	3-4	1A1MP190

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1193-618	72314	3-16	MP570
1193-618	72314	3-16	MP581
1193-618	72314	3-16	MP769
1193-618	72314	3-16	MP770
1193-620-1	72314	3-16	MP601
1193-621	72314	3-16	MP788
1193-627	72314	3-16	MP592
1193-627	72314	3-16	MP593
1193-639	72314	3-16	MP737
1193-640	72314	3-16	MP746
1193-641	72314	3-16	MP731
1193-641	72314	3-16	MP740
1193-642	72314	3-16	MP773
1193-642	72314	3-16	MP774
1193-643	72314	3-16	MP671
1193-644	72314	3-16	MP736
1193-655	72314	3-16	MP584
1193-658-2	72314	3-4	1A1MP271
1193-660	72314	3-16	MP585
1193-661	72314		MP586
1193-661	72314		MP587
1193-664	72314	3-18	MP620
1193-681-2	72314	3-16	MP738
1193-681-2	72314	3-16	MP747
1193-681-2	72314	3-16	MP777
1193-681-2	72314	3-16	MP778
1193-682-1	72314		MP806
1193-682-1	72314	3-16	MP794
1193-682-2	72314	3-16	MP795
1193-692	72314	3-16	MP745
1193-693	72314	3-19	MP715
1193-696	72314		MP580
1193-696	72314	3-16	MP569
1193-696	72314	3-16	MP767
1193-696	72314	3-16	MP768
1193-698	72314	3-16	MP684
1193-698	72314	3-16	MP685
1193-700-1	72314	3-4	1A1MP179
1193-700-1	72314	3-4	1A1MP180
1193-700-2	72314	3-16	MP577
1193-700-2	72314	3-16	MP578
1193-700-2	72314	3-16	MP579
1193-700-2	72314	3-16	MP580
1193-702	72314		MP588
1193-702	72314		MP589
1193-715	72314	3-19	MP704
1193-715	72314	3-19	MP705
1193-716	72314	3-3	1A1A1MP117
1193-717-3	72314	3-4	1A1MP167
1193-717-4	72314	3-4	1A1MP168
1193-718-1	72314		1A1MP369
1193-718-1	72314	3-3	1A1A1MP92
1193-718-2	72314		1A1MP370
1193-718-2	72314	3-3	1A1A1MP93
1193-718-3	72314		1A1MP371
1193-718-3	72314	3-3	1A1A1MP94
1193-718-4	72314		1A1MP372
1193-718-4	72314	3-3	1A1A1MP95
1193-718-5	72314		1A1A1MP91
1193-72	72314	3-3	1A1A1MP52
1193-720-1	72314	3-3	1A1A1MP97
1193-720-2	72314	3-3	1A1A1MP98
1193-720-3	72314	3-3	1A1A1MP99
1193-720-4	72314		1A1A1MP96

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1193-745-3	72314	3-16	MP807
1193-745-4	72314	3-16	MP796
1193-759	72314	3-4	1A1MP181
1193-769	72314	3-4	1A1E4
1193-769	72314	3-4	1A1E3
1193-779	72314	3-16	MP600
1193-80	72314	3-3	1A1A1MP8
1193-91	72314	3-16	MP613
1193B87	72314	3-4	1A1MP178
1193C51	72314		MP567
1193C52	72314		MP577
1193C53	72314		MP604
1193C54	72314	3-16	MP603
1193C57	72314	3-16	MP804
1193C58	72314	3-16	MP792
1193063	72314	3-16	MP765
1193063	72314	3-16	MP766
1193064	72314		MP759
1193064	72314		MP760
1193066	72314		MP730
1193067	72314		MP739
1193C71	72314		MP583
1193D64	72314		4MP22
12-11014-26	94222		1A3MP543
12-11014-26	94222		1A3MP544
12-11014-26	94222		4MP10
12-11014-26	94222		1A2MP474
12-11014-26	94222	3-8	1A2MP475
12-11014-26	94222	6-5	4MP9
12-11015-14	94222		1A2MP423
12-11015-14	94222		1A2A2MP515
12-11015-14	94222		1A3MP536
12-11015-14	94222		1A3MP537
12-21-102-26	94222		1A3MP541
12-21-102-26	94222		1A3MP542
12-21-102-26	94222	3-8	1A2MP472
12-21-102-26	94222	3-8	1A2MP473
12-21-102-26	94222	6-5	4MP7
12-21-102-26	94222	6-5	4MP8
12054	71785	4-14	1A1A3B1E5
1214-1	72314	3-3	1A1A1MP5
1214-10	72314	3-3	1A1A1H8
1214-100	72314	3-4	1A1MP166
1214-105	72314	6-26	1A2A4Q2
1214-106	72314	6-26	1A2A4AR2
1214-108	72314	3-13	1A3M1
1214-11	72314	3-3	1A1A1MP26
1214-11	72314	3-3	1A1A1MP27
1214-111	72314	3-9	1A2A6Q1
1214-112	72314	6-22	1A2A5AR1
1214-112	72314	6-22	1A2A5AR2
1214-112	72314	6-22	1A2A5AR3
1214-112	72314	6-24	1A2A3AR1
1214-112	72314	6-26	1A2A4AR1
1214-113	72314	3-10	1A2A2T2
1214-114	72314	3-10	1A2A2T1
1214-116	72314	6-24	1A2A3Q12
1214-117	72314	3-13	1A3W1J4
1214-117	72314	6-5	4W1J2
1214-118	72314	3-3	1A1A1MP119
1214-119	72314	3-3	1A1A1MP50
1214-120	72314		1A3A1A1MP549
1214-124	72314	3-18	MP645
1214-124	72314	3-18	MP646

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214-124	72314	3-18	MP647
1214-124	72314	3-18	MP648
1214-124	72314	3-18	MP649
1214-124	72314	3-18	MP650
1214-124	72314	3-18	MP651
1214-124	72314	3-18	MP652
1214-125	72314	3-16	MP791
1214-125	72314	3-16	MP803
1214-126	72314	3-4	1A1MP343
1214-127-1	72314		1A1MP373
1214-127-1	72314	3-4	1A1MP357
1214-127-2	72314		1A1MP374
1214-127-2	72314	3-4	1A1MP358
1214-127-3	72314		1A1MP375
1214-127-3	72314	3-4	1A1MP359
1214-127-4	72314		1A1MP376
1214-127-4	72314	3-4	1A1MP360
1214-127-5	72314	3-3	1A1MP377
1214-127-6	72314	3-3	1A1MP378
1214-127-7	72314	3-3	1A1MP379
1214-130	72314	3-16	MP576
1214-131	72314	3-17	MP689
1214-132	72314	3-17	MP694
1214-133	72314	3-17	MP699
1214-138-2	72314	3-8	1A2A1MP482
1214-139	72314	3-17	MP697
1214-14	72314	3-4	1A1MP350
1214-140	72314	3-16	MP799
1214-142	72314	3-17	MP695
1214-143	72314	3-17	MP687
1214-144	72314	3-17	MP688
1214-147	72314	3-16	MP679
1214-148	72314	3-16	MP809
1214-148	72314	3-16	MP810
1214-149	72314	3-4	1A1MP127
1214-15	72314	3-4	1A1MP348
1214-150-1	72314		1A1MP279
1214-150-2	72314	3-4	1A1MP399
1214-151	72314	3-8	1A2A1MP496
1214-152	72314	3-8	1A2MP418
1214-153	72314	3-8	1A2MP469
1214-155	72314	3-18	MP633
1214-156	72314	3-16	MP728
1214-157	72314	3-16	H456
1214-159	72314	3-16	MP680
1214-16	72314	3-4	1A1MP349
1214-161	72314	3-16	MP748
1214-162	72314	3-19	MP709
1214-164	72314	3-17	MP700
1214-165	72314	3-18	MP622
1214-165	72314	3-18	MP623
1214-166	72314	3-16	MP607
1214-167	72314	3-16	MP608
1214-169	72314	3-16	MP609
1214-169	72314	3-16	MP610
1214-170	72314	3-4	1A1MP397
1214-171	72314	3-3	1A1A1MP112
1214-172	72314	3-19	MP719
1214-173	72314	3-4	1A1MP186
1214-173	72314	3-4	1A1MP187
1214-174	72314	3-4	1A1MP265
1214-175	72314	3-4	1A1MP258
1214-176	72314	3-4	1A1MP390
1214-177	72314	3-16	MP724

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF. DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214-178	72314	3-16	MP726
1214-178	72314	3-16	MP727
1214-179	72314	3-16	H534
1214-179	72314	3-16	H535
1214-18	72314	3-4	1A1MP356
1214-180	72314	3-4	1A1MP128
1214-181	72314	3-18	MP653
1214-181	72314	3-18	MP654
1214-181	72314	3-18	MP655
1214-181	72314	3-18	MP656
1214-182	72314	3-18	MP657
1214-182	72314	3-18	MP658
1214-183	72314	3-16	MP808
1214-184	72314	3-16	MP783
1214-184	72314	3-16	MP784
1214-185	72314	3-16	MP785
1214-188	72314		1A1A1MP36
1214-189	72314		1A1A1MP37
1214-19	72314	3-4	1A1MP299
1214-19	72314	3-4	1A1MP300
1214-190	72314	3-16	MP780
1214-191	72314	3-4	1A1MP156
1214-192	72314	3-4	1A1MP183
1214-193	72314	3-4	1A1MP176
1214-195	72314	3-4	1A1MP177
1214-196	72314		1A1W1MP413
1214-196	72314		1A1W1MP414
1214-197	72314	3-9	1A2A6P478
1214-198	72314		1A1MP404
1214-20	72314	3-4	1A1MP282
1214-200	72314		1A2A3MP449
1214-201	72314		1A2A4MP458
1214-203	72314	3-12	1A2A1A1MP494
1214-204	72314		1A2A5MP466
1214-205	72314	3-7	1A1MP200
1214-206	72314	3-4	1A1MP264
1214-207	72314	3-19	MP706
1214-208	72314	3-4	1A1MP410
1214-209	72314	3-19	MP707
1214-21	72314	3-4	1A1MP405
1214-210	72314	3-16	MP564
1214-211	72314	3-16	MP565
1214-212	72314	3-16	MP566
1214-213	72314	3-4	1A1MP157
1214-214	72314	3-4	1A1MP268
1214-215	72314	3-8	1A2A1MP500
1214-216	72314	3-4	1A1H150
1214-217-1	72314	3-4	1A1MP266
1214-217-2	72314	3-16	MP683
1214-217-3	72314		1A3MP540
1214-217-4	72314		4MP20
1214-22	72314	3-4	1A1MP204
1214-220	72314	3-18	MP660
1214-23	72314	3-16	MP614
1214-24	72314	3-3	1A1A1MP55
1214-252	72314	3-3	1A1A1MP9
1214-255	72314	3-4	1A1MP185
1214-256	72314	6-31	1A3A1A1T1
1214-26	72314	3-3	1A1A1MP10
1214-272	72314	3-3	1A1A1MP115
1214-273	72314	3-3	1A1A1MP100
1214-274	72314	3-9	1A2MP415
1214-274	72314	3-9	1A2MP416
1214-276	72314	3-12	1A2A1A1MP491

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214-276	72314	3-12	1A2A1A1MP492
1214-279	72314	3-4	1A1MP329
1214-28	72314	3-3	1A1A1MP88
1214-280	72314	6-22	1A2A5T1
1214-281	72314	3-4	1A1MP151
1214-284	72314	3-19	MP708
1214-287	72314	3-18	MP629
1214-288	72314	3-18	MP630
1214-289	72314	3-18	MP634
1214-290	72314	3-18	MP632
1214-29	72314	3-4	1A1MP346
1214-291	72314	3-18	MP616
1214-293	72314	3-18	MP661
1214-295	72314	3-3	1A1A1MP114
1214-296	72314	3-10	1A2A2MP503
1214-296	72314	3-10	1A2A2MP504
1214-298	72314	3-10	1A2A2MP511
1214-298	72314	3-10	1A2A2MP512
1214-3	72314	3-4	1A1MP2
1214-30	72314	3-7	1A1MP212
1214-300	72314	3-10	1A2A2MP506
1214-301	72314		MP582
1214-302	72314	3-16	MP682
1214-303	72314	3-16	MP599
1214-31	72314	3-7	1A1MP211
1214-312	72314	3-12	1A2A1A1MP493
1214-313	72314		1A2H227
1214-313	72314		1A2H228
1214-313	72314		1A2H229
1214-313	72314		1A2H230
1214-313	72314		1A2H231
1214-313	72314		1A2H232
1214-313	72314		1A2H233
1214-313	72314		1A2H234
1214-313	72314		1A2H235
1214-313	72314		1A2H236
1214-313	72314		1A2H237
1214-313	72314		1A2H238
1214-314	72314	3-12	1A2A1A1MP488
1214-315	72314	3-12	1A2A1A1MP489
1214-316	72314	3-12	1A2A1A1MP490
1214-319	72314	3-19	MP710
1214-319	72314	3-19	MP711
1214-320	72314		1A1A4MP171
1214-322	72314	3-8	1A2MP501
1214-326	72314	3-4	1A1MP362
1214-327	72314	3-4	1A1MP126
1214-328	72314	3-16	MP611
1214-329	72314	3-16	MP612
1214-345	72314	3-4	1A1MP381
1214-345	72314	3-4	1A1MP382
1214-347	72314	3-4	1A1H204
1214-347	72314	3-4	1A1H205
1214-347	72314	3-4	1A1H206
1214-347	72314	3-4	1A1H207
1214-348	72314	3-10	1A2A2MP505
1214-349	72314	3-3	1A1A1MP65
1214-35	72314	3-4	1A1MP202
1214-350	72314	3-3	1A1A1MP118
1214-351	72314	3-3	1A1A1MP90
1214-352	72314		1A1MP353
1214-354	72314	3-3	1A1A1MP113
1214-356	72314	3-14	1A3A1MP545
1214-357	72314	3-10	1A2A2MP516

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214-357	72314	3-10	1A2A2MP517
1214-361	72314		1A2MP470
1214-361	72314		1A2MP471
1214-362	72314	3-4	1A1MP203
1214-363	72314	6-24	1A2A3Q13
1214-367	73214	3-18	MP624
1214-367	72314	3-18	MP625
1214-367	72314	3-18	MP626
1214-367	72314	3-18	MP627
1214-369	72314	6-26	1A2A4C3
1214-37	72314	3-3	1A1A1MP66
1214-376	72314	7-5	4MP12
1214-378	72314	7-5	4MP14
1214-379	72314	3-3	1A1A1MP6
1214-38	72314	3-4	1A1MP188
1214-380	72314	3-4	1A1MP1
1214-381	72314	7-5	4MP6
1214-39	72314	3-18	MP617
1214-394	72314		4A1Q1
1214-394	72314		4A1Q2
1214-397	72314		1A2A5MP462
1214-397	72314		1A2A5MP463
1214-398	72314	3-3	1A1A1V1
1214-399	72314		1A2A2MP507
1214-399	72314		1A2A2MP508
1214-4	72314	3-4	1A1MP3
1214-40	72314	3-18	MP618
1214-400	72314		1A2A2MP518
1214-400	72314		1A2A2MP519
1214-401	72314		1A2A2MP520
1214-401	72314		1A2A2MP521
1214-409	72314		MP729
1214-418	72314	3-3	1A1A1V1
1214-48	72314	3-3	1A1A1MP87
1214-49	72314	3-3	1A1A1MP85
1214-5	72314	3-4	1A1MP360
1214-5	72314	3-4	1A1MP361
1214-50	72314	3-3	1A1A1MP11
1214-51	72314	3-3	1A1A1MP63
1214-53	72314		1A1A1MP53
1214-53	72314		1A1A1MP54
1214-55	72314		1A1A1MP116
1214-56	72314	3-3	1A1A1MP58
1214-57	72314	3-3	1A1A1MP31
1214-58	72314	3-3	1A1A1MP67
1214-6	72314	3-4	1A1MP408
1214-6	72314	3-4	1A1MP409
1214-60	72314	3-3	1A1A1MP44
1214-61	72314	3-3	1A1A1MP120
1214-62-1	72314	3-3	1A1A1MP102
1214-62-2	72314	3-3	1A1A1MP103
1214-62-3	72314	3-3	1A1A1MP104
1214-62-4	72314	3-3	1A1A1MP105
1214-62-5	72314		1A1A1MP101
1214-63-1	72314	3-3	1A1A1MP107
1214-63-2	72314	3-3	1A1A1MP108
1214-63-3	72314	3-3	1A1A1MP109
1214-63-4	72314	3-3	1A1A1MP110
1214-63-5	72314		1A1A1MP106
1214-64	72314	3-3	1A1A1MP121
1214-65	72314	3-3	1A1A1MP122
1214-66	72314		1A1A1MP35
1214-67	72314	3-3	1A1A1MP24
1214-67	72314	3-3	1A1A1MP25

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214-69	72314	3-3	1A1A1MP7
1214-73	72314		1A1A3MP215
1214-74	72314		1A1A3MP216
1214-76	72314	3-7	1A1MP198
1214-78	72314	3-4	1A1MP385
1214-8	72314	3-3	1A1A1MP51
1214-81	72314	3-4	1A1MP193
1214-82	72314	3-4	1A1MP277
1214-84	72314	3-4	1A1MP158
1214-85	72314	3-4	1A1MP392
1214-86	72314	3-4	1A1MP162
1214-88	72314	3-13	1A3MP551
1214-89	72314	3-13	1A3MP553
1214-90	72314	3-13	1A3MP523
1214-91	72314	3-13	1A3MP539
1214-93	72314	3-7	1A1G1
1214-95	72314		1A1L1L1
1214-96	72314	3-4	1A1S1
1214-97	72314	3-4	1A1MP406
1214-98	72314	3-18	MP619
1214-99	72314	3-4	1A1MP388
1214B1	72314		1A1
1214B10	72314	3-7	1A1A3MP214
1214B11	72314	3-7	1A1MP197
1214B12	72314	3-4	1A1MP192
1214B13	72314	7-37	1A1MP276
1214B14	72314	3-4	1A1MP275
1214B15	72314	3-4	1A1A3
1214B17	72314	3-3	1A1A1MP23
1214B18	72314	3-3	1A1A1MP64
1214B19	72314	3-3	1A1A1MP29
1214B2	72314		1A1MP347
1214B20	72314		1A1A1MP84
1214B23	72314		1A1MP191
1214B24	72314		1A1MP391
1214B25	72314		1A1MP384
1214B28	72314	3-4	1A1A2
1214B3	72314		1A1MP281
1214B30	72314	3-4	1A1MP342
1214B31	72314	3-4	1A1MP389
1214B32	72314	3-4	1A1MP213
1214B33	72314	3-4	1A1L1
1214B34	72314	3-3	1A1A1MP41
1214B35	72314	3-3	1A1A1MP32
1214B36	72314		1A1A1MP28
1214B37	72314	3-4	1A1W1
1214B38	72314	3-3	1A1A1W1
1214B39	72314		1A1MP267
1214B4	72314		1A1MP201
1214B40	72314		1A1MP184
1214B41	72314	3-7	1A1A4
1214B42	72314	3-3	1A1A1MP42
1214B42	72314	3-3	1A1A1MP43
1214B43	72314		1A1W2
1214B6	72314	3-4	1A1MP150
1214B7	72314		1A1MP155
1214B5	72314	3-4	1A1A1
1214B8	72314		1A1MP396
1214B9	72314	3-4	1A1MP383
1214C1	72314		MP562
1214C10	72314		MP723
1214C11	72314		MP628
1214C12-1	72314		MP590
1214C12-1	72314		MP591

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF. DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
1214C13	72314		MP598
1214C2	72314		MP786
1214C3	72314	3-16	MP797
121406	72314	3-16	MP701
1214C7	72314	3-16	MP615
1214C8	72314	3-16	MP686
1214D1	72314		1A3
1214D10	72314	3-8	1A2A3
1214D11	72314	3-8	1A2A4
1214D12	72314	3-8	1A2A6
1214D13	72314		1A2A1
1214D14	72314		1A2MP468
1214D15	72314		1A2MP417
1214D17	72314	3-8	1A2A5
1214D19	72314		1A3A1
1214D20	72314	3-14	1A3A1MP550
1214D21	72314		1A2A2A1MP509
1214D23	72314		1A2A2MP502
1214D26	72314		1A3W1
1214D28	72314	3-10	1A2A6W1
1214D29	72314	3-10	1A2A2A1
1214D3	72314		1A3MP522
1214D30	72314		1A2A2W1
1214D33	72314		4
1214D34	72314		4MP13
1214D36	72314		4MP5
1214D37	72314	6-5	4A1
1214D4	72314	3-13	1A3A1A1
1214D40	72314	6-5	4MP1
1214D41	72314		4W1
1214D44	72314		4W1MP2
1214D5	72314		1A3MP538
1214D6	72314		1A2
1214D7	72314		1A3MP552
1214D8	72314	3-8	1A2A1A1
1214D9	72314	3-8	1A2A2
1282-1	71279	3-8	1A2A1MP495
17B7-3	18915		1A2MP429
17B7-3	18915		1A2MP425
17B7-3	18915		1A2MP426
17B7-3	18915		1A2MP427
17B7-3	18915		1A2MP428
17B7-3	18915		1A2MP429
2N1016B	81349	3-14	1A3A1Q3
2N1485	81349	3-14	1A3A1Q2
2N1485	81349	3-14	1A3A1Q4
2N1485	81349	6-24	1A2A3Q3
2N1890	81349	6-22	1A2A5Q1
2N1890	81349	6-22	1A2A5Q2
2N2222	81349	6-24	1A2A3Q1
2N2222	81349	6-24	1A2A3Q2
2N2222	81349	6-24	1A2A3Q4
2N2222	81349	6-24	1A2A3Q5
2N2222	81349	6-24	1A2A3Q6
2N2222	81349	6-24	1A2A3Q11
2N2222	81349	6-26	1A2A4Q3
2N2222A	81349	6-24	1A2A3Q10
2N2222A	81349	6-26	1A2A4Q1
2N2222A	81349	6-26	1A2A4Q4
2N2222A	81349	6-31	1A3A1A1Q1
2N2907	81349	6-24	1A2A3Q7
2N2907	81349	6-24	1A2A3Q8
2N2907	81349	6-24	1A2A3Q9
25TB5	81349	3-4	1A1TB1

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
3-16-6	95987	3-10	1A2A2MP510
30120-3AB	71286	3-16	MP662
30120-3AB	71286	3-16	MP663
30120-3AB	71286	3-16	MP664
30120-3AB	71286	3-16	MP665
30120-3AB	71286	3-16	MP666
30120-3AB	71286	3-16	MP667
30120-3AB	71286	3-16	MP668
30120-3AB	71286	3-16	MP669
30102X1-4XT4N10	61463	3-4	1A1MP124
30102X3-8XT4N10	61463	3-16	MP563
30105X1-4XT4N10	61463	3-4	1A1MP125
4026-3	71279		1A2A6E1
4026-3	71279		1A2A6E2
4026-3	71279		1A2A6E3
4026-3	71279		1A2A6E4
42-483	12881	3-8	1A2A1MP497
42-483	12881	3-13	1A3MP560
42-488	12881	3-8	1A2A1MP499
42-488	12881	3-13	1A3MP561
42-488	12881	7-5	4MP21
4327	00141	3-16	H526
4327	00141	3-16	H527
44MS30-01-1-12N	81073	6-5	4S2
532-557	72314		1A1A3B1E1
532-557	72314		1A1A3B1E2
532-708	72314	4-12	1A1A3B1MP255
600-121DD2 6GDF50	95238	3-12	1A2A1A1J4
600-121DD2 6GDF50	95238	3-12	1A2A1A1J5
600-121DD2 6GDF50	95238	3-12	1A2A1A1J6
600-121DD2 6GDF50	75238	3-12	1A2A1A1J7
600-303PCGD150	95238	3-8	1A2A6W1P8
780-122	72314	3-3	1A1A1MP57
780-33	72314	3-3	1A1A1MP56
808W8	72314	4-14	1A1A3B1MP249
808-128	72314	4-14	1A1A3B1MP245
808-128	72314	4-14	1A1A3G1MP246
808-13	72314		1A1A3B1MP223
808-13	72314		1A1A3B1MP224
808-13	72314		1A1A3B1MP225
808-13	72314		1A1A3B1MP226
808-13	72314		1A1A3B1MP227
808-13	72314		1A1A3B1MP228
808-13	72314		1A1A3B1MP229
808-13	72314		1A1A3B1MP230
808-13	72314		1A1A3B1MP231
808-148	72314	4-12	1A1A3B1MP238
808-150	72314	4-1	1A1A3B1MP240
808-154	72314	4-12	1A1A3B1MP254
808-19	72314	4-14	1A1A3B1MP247
808-19	72314	4-14	1A1A3B1MP248
808-26-	72314	4-14	1A1A3B1MP236
808-36	72314	4-14	1A1A3B1MP237
808-44	72314	4-14	1AUA3B1MP252
808-44	72314	4-14	1A1A3B1MP253
808-56	72314	4-14	1A1A3B1MP250
808-56	72314	4-14	1A1A3B1MP251
808GG1	72314	3-7	1A1A3B1
808GG15	72314		1A1A3B1MP219
808GG19	72314	4-14	1A1A3B1MP217

SECTION IV INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION (CONTINUED)

FEDERAL STOCK NUMBER	FIGURE NUMBER		ITEM NUMBER OR REF. DESIGNATION
REFERENCE NO.	MFG. CODE	FIG. NO.	REFERENCE DESIGNATION
808GG2	72314	4-14	1A1A3B1MP239
808K14	72314	4-14	1A1A3B1MP234
808K14	72314	4-14	1A1A3B1MP235
808W10	72314		1A1A3B1MP243
808W10	72314		1A1A3B1MP244
808W13	72314		1A1A3B1MP241
808W13	72314		1A1A3B1MP242
808W16	72314		1A1A3B1MP218
8131-100-651-474M	16512	6-22	1A2A5C3
8131-100-651-474M	16512	6-22	1A2A5C7
8131-100-651-474M	16512	6-26	1A2A4C8

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION

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REFERENCE DESIGNATION	PAGE NUMBER
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H442	B-52
H443	B-52
H444	B-52
H445	B-52
H446	B-52
H447	B-52
H448	B-52
H449	B-52
H450	B-52
H451	B-52
H452	B-52
H453	B-52
H454	B-52
H454	B-52
H456	B-52
H457	B-53
H458	B-53
H459	B-53
H460	B-53
H461	B-53
H462	B-53
H463	B-53
H464	B-53
H465	B-53
H466	B-53
H467	B-53
H468	B-53
H469	B-53
H470	B-53
H471	B-53
H472	B-53
H473	B-53
H474	B-53
H475	B-53
H476	B-53
H477	B-53
H478	B-53
H479	B-53
H480	B-53
H481	B-53
H482	B-53
H483	B-53
H484	B-53
H485	B-53
H486	B-53
H487	B-53
H488	B-53
H489	B-54
H490	B-54
H491	B-54
H492	B-54
H493	B-54
H494	B-54
H495	B-54
H496	B-54
H497	B-54
H498	B-54
H499	B-54
H500	B-54
H501	B-54
H502	B-54
H503	B-54
H504	B-54
H505	B-54
H506	B-54
H507	B-55
H508	B-55
H509	B-55
H510	B-55
H511	B-55
H512	B-55
H513	B-55
H514	B-55
H515	B-55
H516	B-56
H517	B-56
H518	B-56
H519	B-56
H520	B-56
H521	B-56
H522	B-56
H523	B-56
H524	B-56
H525	B-56
H526	B-56
H527	B-56
H528	B-56
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H530	B-58
H531	B-58
H532	B-58
H533	B-58

SECTION V INDEX-REFERENCE DESIGNATION CROSS REFERENCE TO PAGE NUMBER (CONTINUED)

REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER
H534	B-59	MP578	B-52	MP608	B-55
H535	B-59	MP579	B-52	MP609	B-55
H536	B-59	MP580	B-52	MP610	B-55
H537	B-59	MP581	B-54	MP611	B-56
H538	B-59	MP582	B-54	MP612	B-56
H539	B-59	MP583	B-54	MP613	B-56
H540	B-59	MP584	B-54	MP614	B-56
H541	B-59	MP585	B-54	MP615	B-56
H542	B-60	MP586	B-54	MP616	B-56
H543	B-61	MP587	B-54	MP617	B-56
H544	B-61	MP588	B-54	MP618	B-56
H545	B-61	MP589	B-54	MP619	B-56
H546	B-63	MP590	B-55	MP620	B-56
H547	B-63	MP591	B-55	MP621	B-56
MP562	B-51	MP592	B-55	MP622	B-56
MP563	B-51	MP593	B-55	MP623	B-56
MP564	B-51	MP594	B-55	MP624	B-56
MP565	B-51	MP595	B-55	MP625	B-56
MP566	B-52	MP596	B-55	MP626	B-56
MP567	B-52	MP597	B-55	MP627	B-56
MP568	B-52	MP598	B-55	MP628	B-56
MP569	B-52	MP599	B-55	MP629	B-57
MP570	B-52	MP600	B-55	MP630	B-57
MP571	B-52	MP601	B-55	MP631	B-57
MP572	B-52	MP602	B-55	MP632	B-57
MP573	B-52	MP603	B-55	MP633	B-57
MP574	B-52	MP604	B-55	MP634	B-57
MP575	B-52	MP605	B-55	MP635	B-57
MP576	B-52	MP606	B-55	MP636	B-57
MP577	B-52	MP607	B-55	MP637	B-57

SECTION V INDEX-REFERENCE DESIGNATION CROSS REFERENCE TO PAGE NUMBER (CONTINUED)

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MP638	B-57	MP669	B-58	MP700	B-59
MP639	B-57	MP670	B-58	MP701	B-59
MP640	B-57	MP671	B-58	MP702	B-59
MP641	B-57	MP672	B-58	MP703	B-59
MP642	B-57	MP673	B-58	MP704	B-59
MP643	B-57	MP674	B-58	MP705	B-59
MP644	B-57	MP675	B-58	MP706	B-59
MP645	B-57	MP676	B-58	MP707	B-59
MP646	B-57	MP677	B-58	MP708	B-59
MP647	B-57	MP678	B-58	MP709	B-59
MP648	B-57	MP679	B-58	MP710	B-60
MP649	B-57	MP680	B-58	MP711	B-60
MP650	B-57	MP681	B-58	MP712	B-60
MP651	B-57	MP682	B-58	MP713	B-60
MP652	B-57	MP683	B-58	MP714	B-60
MP653	B-57	MP684	B-58	MP715	B-60
MP654	B-57	MP685	B-58	MP716	B-60
MP655	B-57	MP686	B-58	MP717	B-60
MP656	B-57	MP687	B-59	MP718	B-60
MP657	B-57	MP688	B-59	MP719	B-60
MP658	B-57	MP689	B-59	MP720	B-60
MP659	B-57	MP690	B-59	MP721	B-60
MP660	B-58	MP691	B-59	MP722	B-60
MP661	B-58	MP692	B-59	MP723	B-60
MP662	B-58	MP693	B-59	MP724	B-60
MP663	B-58	MP694	B-59	MP725	B-60
MP664	B-58	MP695	B-59	MP726	B-60
MP665	B-58	MP696	B-59	MP727	B-60
MP666	B-58	MP697	B-59	MP728	B-60
MP667	B-58	MP698	B-59	MP729	B-60
MP668	B-58	MP699	B-59	MP730	B-60

SECTION V INDEX-REFERENCE DESIGNATION CROSS REFERENCE TO PAGE NUMBER (CONTINUED)

REFERENCE DESIGNATION	PAGE NUMBER
MP731	B-60
MP732	B-60
MP733	B-60
MP734	B-60
MP735	B-60
MP736	B-60
MP737	B-60
MP738	B-60
MP739	B-60
MP740	B-61
MP741	B-61
MP742	B-61
MP743	B-61
MP744	B-61
MP745	B-61
MP746	B-61
MP747	B-61
MP748	B-61
MP749	B-61
MP750	B-61
MP751	B-61
MP752	B-61
MP753	B-61
MP754	B-61
MP755	B-61
MP756	B-61
MP757	B-61
MP758	B-61
MP759	B-61
MP760	B-61
MP761	B-61
MP762	B-61
MP763	B-61
MP764	B-61
MP765	B-61
MP766	B-61
MP767	B-61
MP768	B-62
MP769	B-62
MP770	B-62
MP771	B-62
MP772	B-62
MP773	B-62
MP774	B-62
MP775	B-62
MP776	B-62
MP777	B-62
MP778	B-62
MP779	B-62
MP780	B-62
MP781	B-62
MP782	B-62
MP783	B-62
MP784	B-62
MP785	B-62
MP786	B-62
MP787	B-62
MP788	B-62
MP789	B-62
MP789A	B-62
MP790	B-62
MP791	B-62
MP792	B-62
MP793	B-62
MP794	B-62
MP795	B-62
MP796	B-62
MP797	B-62
MP798	B-63
MP799	B-63
MP800	B-63
MP801	B-63
MP802	B-63
MP803	B-63
MP804	B-63
MP805	B-63
MP806	B-63
MP807	B-63
MP808	B-63
MP809	B-63
MP810	B-63
1A1	B-5
1A1CR1	B-24
1A1CR2	B-24
1A1E1	B-27
1A1E2	B-27
1A1E3	B-27
1A1E4	B-27
1A1G1	B-17
1A1H1	B-5
1A1H2	B-5
1A1H3	B-5
1A1H4	B-5

SECTION V INDEX-REFERENCE DESIGNATION CROSS REFERENCE TO PAGE NUMBER (CONTINUED)

REFERENCE DESIGNATION	PAGE NUMBER
1A1H5	8-5
1A1H6	8-5
1A1H7	8-5
1A1H64	8-12
1A1H65	8-12
1A1H66	8-12
1A1H67	8-12
1A1H68	8-12
1A1H69	8-12
1A1H70	8-12
1A1H71	8-12
1A1H72	8-13
1A1H73	8-13
1A1H74	8-13
1A1H75	8-14
1A1H76	8-14
1A1H77	8-14
1A1H78	8-14
1A1H79	8-14
1A1H80	8-14
1A1H81	8-14
1A1H82	8-14
1A1H82	8-14
1A1H83	8-14
1A1H84	8-14
1A1H85	8-14
1A1H86	8-14
1A1H87	8-14
1A1H88	8-15
1A1H89	8-15
1A1H90	8-15
1A1H91	8-15
1A1H92	8-15
1A1H93	8-15
1A1H94	8-15
1A1H95	8-15
1A1H96	8-15
1A1H97	8-15
1A1H98	8-15
1A1H99	8-15
1A1H100	8-15
1A1H101	8-15
1A1H102	8-15
1A1H103	8-15
1A1H104	8-15
1A1H105	8-15
1A1H106	8-15
1A1H107	8-15
1A1H108	8-15
1A1H109	8-15
1A1H110	8-15
1A1H111	8-16
1A1H112	8-16
1A1H113	8-16
1A1H114	8-16
1A1H115	8-16
1A1H116	8-16
1A1H117	8-16
1A1H118	8-16
1A1H119	8-16
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1A3MP556	B-50	1A3A1H397	B-48	1A3A1A1C3	B-49
1A3MP557	B-50	1A3A1H398	B-48	1A3A1A1H404	B-49
1A3MP558	B-50	1A3A1H399	B-48	1A3A1A1MP546	B-49
1A3MP559	B-51	1A3A1H402	B-48	1A3A1A1MP547	B-49
1A3MP560	B-51	1A3A1H403	B-48	1A3A1A1MP548	B-49
1A3MP561	B-51	1A3A1H405	B-49	1A3A1A1MP549	B-49
1A3M1	B-46	1A3A1H406	B-49	1A3A1A1Q1	B-49
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1A3S5	B-51	1A3A1H411	B-50	1A3A1A1R5	B-49
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4H5	B-63	4MP8	B-65	4A1H13	B-64
4H6	B-63	4MP9	B-65	4A1H14	B-64
4H7	B-63	4MP10	B-65	4A1H15	B-64
4H8	B-63	4MP11	B-65	4A1H16	B-64
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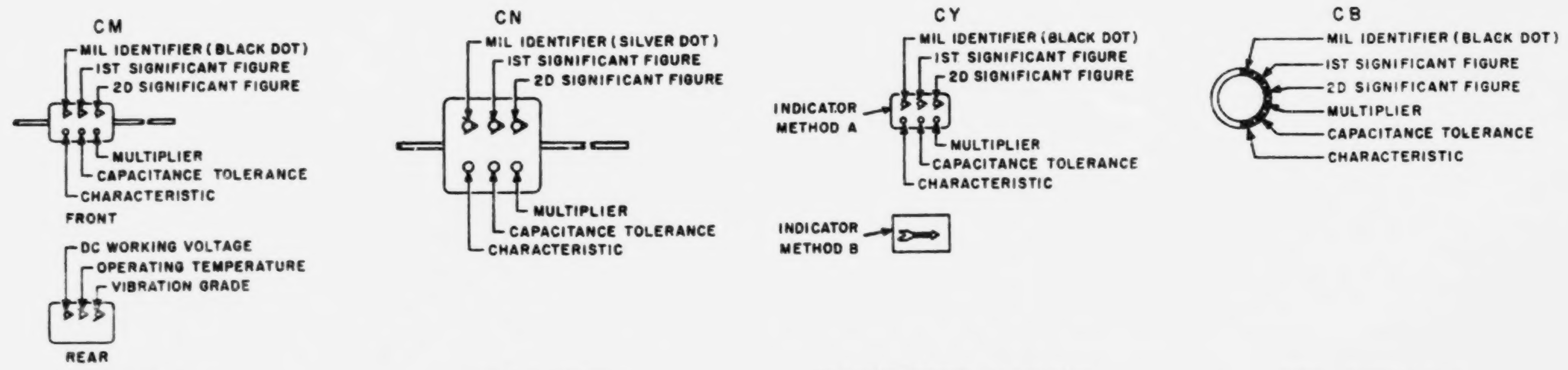
Charts Transposed to

End of Volume.

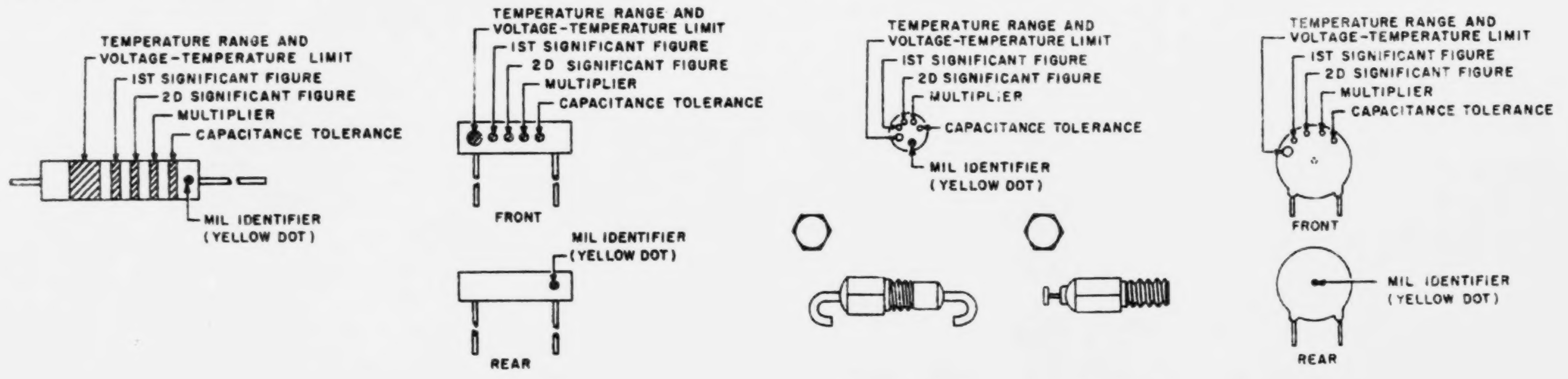
COLOR CODE MARKING FOR MILITARY STANDARD CAPACITORS

GROUP I Capacitors, Fixed, Various-Dielectrics, Styles CM, CN, CY, and CB


CM
MIL IDENTIFIER (BLACK DOT)
1ST SIGNIFICANT FIGURE
2D SIGNIFICANT FIGURE
MULTIPLIER
CAPACITANCE TOLERANCE
CHARACTERISTIC
FRONT
DC WORKING VOLTAGE
OPERATING TEMPERATURE
VIBRATION GRADE
REAR
CN
MIL IDENTIFIER (SILVER DOT)
1ST SIGNIFICANT FIGURE
2D SIGNIFICANT FIGURE
MULTIPLIER
CAPACITANCE TOLERANCE
CHARACTERISTIC
CY
MIL IDENTIFIER (BLACK DOT)
1ST SIGNIFICANT FIGURE
2D SIGNIFICANT FIGURE
INDICATOR METHOD A
MULTIPLIER
CAPACITANCE TOLERANCE
CHARACTERISTIC
INDICATOR METHOD B
CB
MIL IDENTIFIER (BLACK DOT)
1ST SIGNIFICANT FIGURE
2D SIGNIFICANT FIGURE
MULTIPLIER
CAPACITANCE TOLERANCE
CHARACTERISTIC

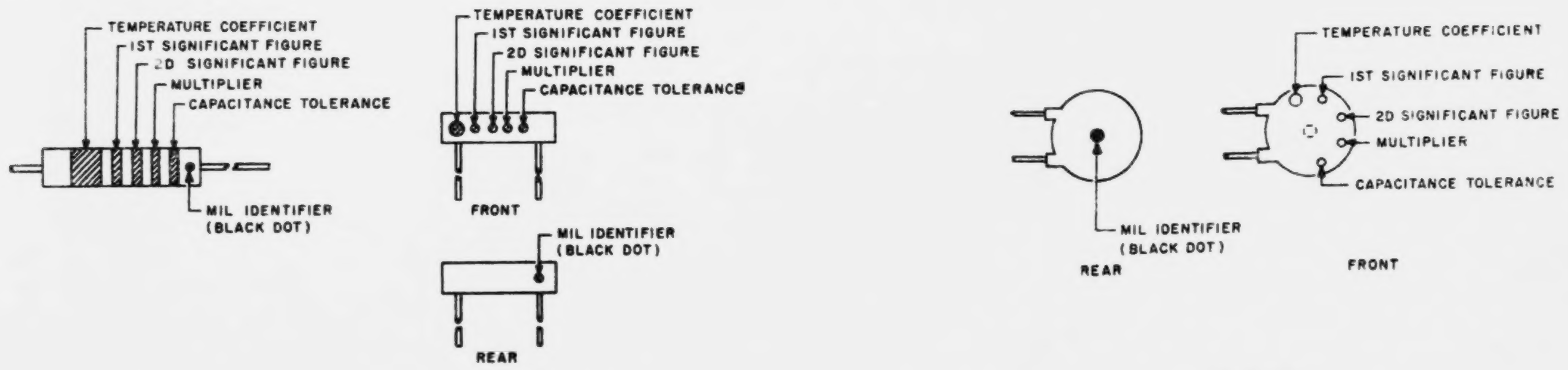
MICA-DIELECTRIC PAPER-DIELECTRIC GLASS-DIELECTRIC, GLASS CASE MICA, BUTTON TYPE

GROUP II Capacitors, Fixed Ceramic-Dielectric (General Purpose) Style CK


TEMPERATURE RANGE AND VOLTAGE–TEMPERATURE LIMIT
1ST SIGNIFICANT FIGURE
2D SIGNIFICANT FIGURE
MULTIPLIER
CAPACITANCE TOLERANCE
MIL IDENTIFIER (YELLOW DOT)
FRONT
REAR

AXIAL LEAD RADIAL LEAD FEED-THROUGH STAND-OFF DISK-TYPE

GROUP III Capacitors, Fixed, Ceramic-Dieletric (Temperature Compensating) Style CC


TEMPERATURE COEFFICIENT
1ST SIGNIFICANT FIGURE
2D SIGNIFICANT FIGURE
MULTIPLIER
CAPACITANCE TOLERANCE
MIL IDENTIFIER (BLACK DOT)
FRONT
REAR

AXIAL LEAD RADIAL LEAD DISK-TYPE

COLOR CODE TABLES

TABLE I – For use with Group I, Styles CM, CN, CY and CB

COLOR	MIL ID	1st SIG FIG	2nd SIG FIG	MULTIPLIER[1]	CAPACITANCE TOLERANCE				CHARACTERISTIC[2]				DC WORKING VOLTAGE	OPERATING TEMP. RANGE	VIBRATION GRADE
					CM	CN	CY	CB	CM	CN	CY	CB	CM	CM	CM
BLACK	CM, CY CB	0	0	1			± 20%	± 20%		A				−55° to +70°C	10–55 cps
BROWN		1	1	10					B	E		B			
RED		2	2	100	± 2%		± 2%	± 2%	C		C			−55° to +85°C	
ORANGE		3	3	1,000		± 30%			D			D	300		
YELLOW		4	4	10,000					E					−55° to +125°C	10–2,000 cps
GREEN		5	5		± 5%				F				500		
BLUE		6	6											−55° to +150°C	
PURPLE (VIOLET)		7	7												
GREY		8	8												
WHITE		9	9												
GOLD				0.1			± 5%	± 5%							
SILVER	CN				± 10%	± 10%	± 10%	± 10%							

TABLE II – For use with Group II, General Purpose, Style CK

COLOR	TEMP. RANGE AND VOLTAGE – TEMP. LIMITS[3]	1st SIG FIG	2nd SIG FIG	MULTIPLIER[1]	CAPACITANCE TOLERANCE	MIL ID
BLACK		0	0	1	± 20%	
BROWN	AW	1	1	10	± 10%	
RED	AX	2	2	100		
ORANGE	BX	3	3	1,000		
YELLOW	AV	4	4	10,000		CK
GREEN	CZ	5	5			
BLUE	BV	6	6			
PURPLE (VIOLET)		7	7			
GREY		8	8			
WHITE		9	9			
GOLD						
SILVER						

TABLE III – For use with Group III, Temperature Compensating, Style CC

COLOR	TEMPERATURE COEFFICIENT[4]	1st SIG FIG	2nd SIG FIG	MULTIPLIER[1]	CAPACITANCE TOLERANCE		MIL ID
					Capacitances over 10uuf	Capacitances 10uuf or less	
BLACK	0	0	0	1		± 2.0uuf	CC
BROWN	−30	1	1	10	± 1%		
RED	−80	2	2	100	± 2%	± 0.25uuf	
ORANGE	−150	3	3	1,000			
YELLOW	−220	4	4				
GREEN	−330	5	5		± 5%	± 0.5uuf	
BLUE	−470	6	6				
PURPLE (VIOLET)	−750	7	7				
GREY		8	8	0.01			
WHITE		9	9	0.1	± 10%		
GOLD	+100					± 1.0uuf	
SILVER							

1. The multiplier is the number by which the two significant (SIG) figures are multiplied to obtain the capacitance in uuf.
2. Letters indicate the Characteristics designated in applicable specifications: MIL–C–5, MIL–C–91, MIL–C–11272, and MIL–C–10950 respectively.
3. Letters indicate the temperature range and voltage-temperature limits designated in MIL–C–11015.
4. Temperature coefficient in parts per million per degree centigrade.

STO–C2

Figure 6–9. Capacitor color code.

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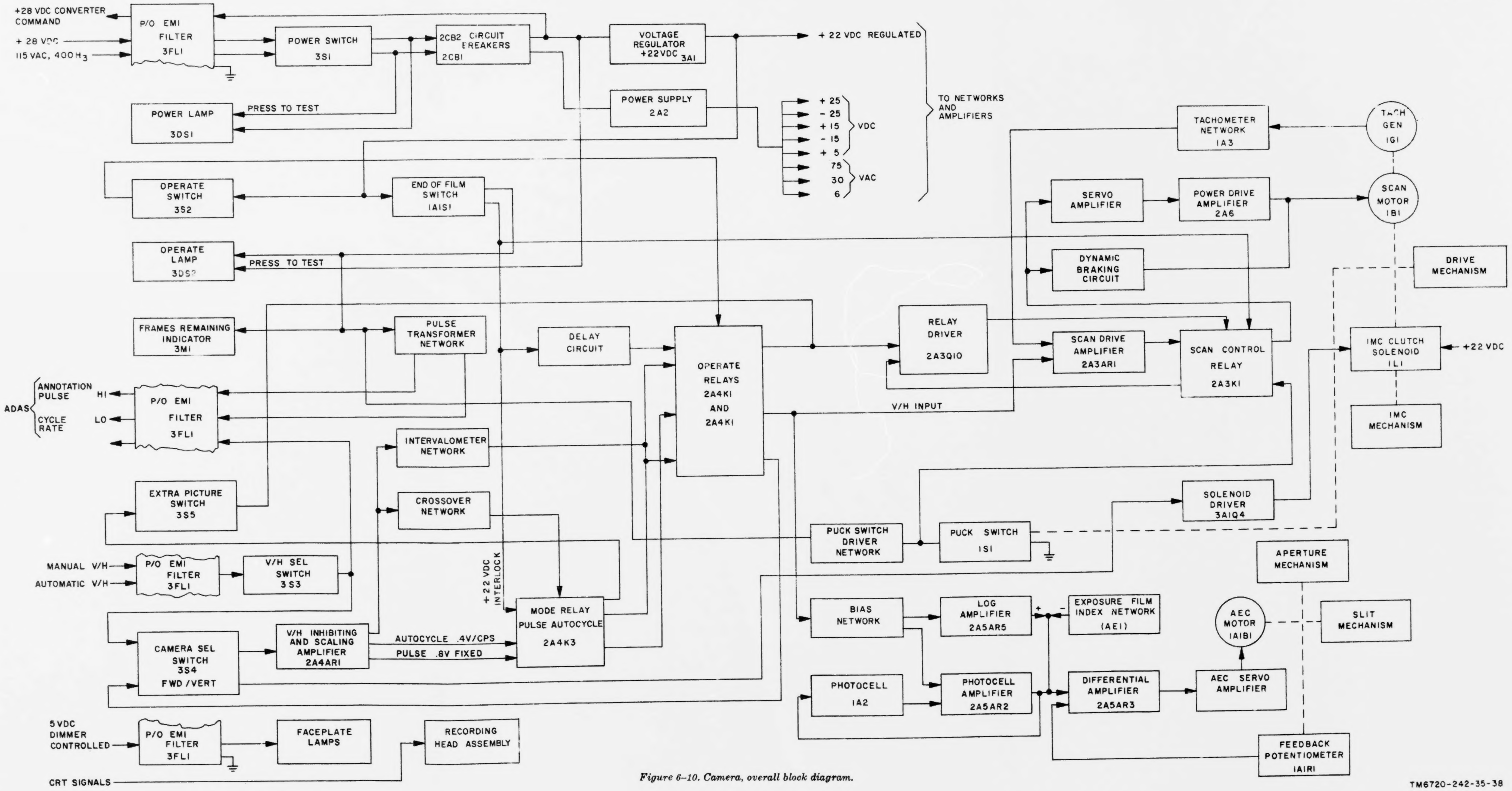
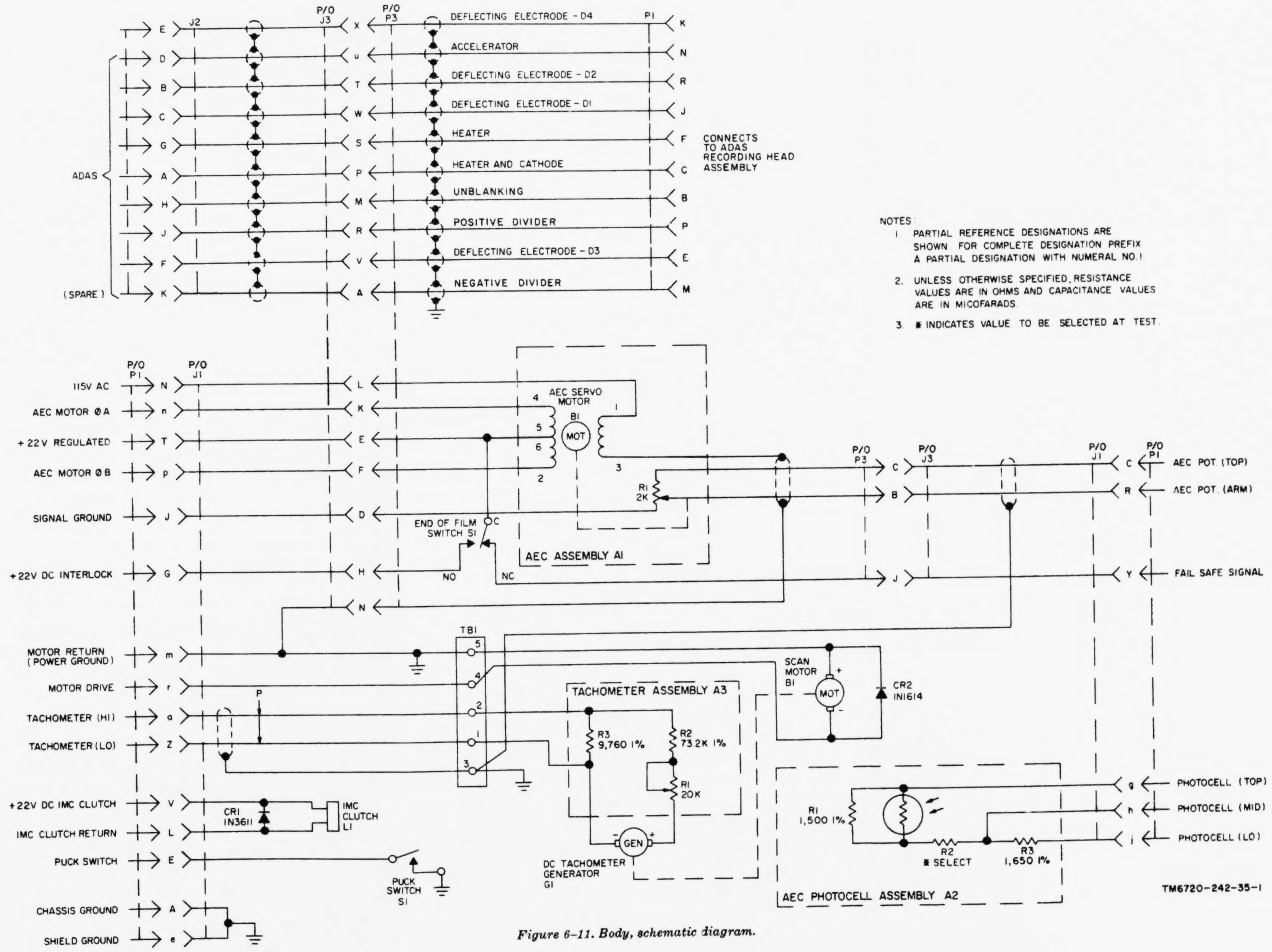

+28 VDC CONVERTER COMMAND
+ 28 VDC
115 VAC, 400 H3
P/O EMI FILTER 3FL1
POWER SWITCH 3S1
2CB2 CIRCUIT BREAKERS 2CB1
VOLTAGE REGULATOR +22VDC 3A1
+ 22 VDC REGULATED
POWER SUPPLY 2A2
+ 25
- 25
+ 15
- 15
+ 5
VDC
75
30
6
VAC
TO NETWORKS AND AMPLIFIERS
POWER LAMP 3DS1
PRESS TO TEST
OPERATE SWITCH 3S2
END OF FILM SWITCH 1A1S1
OPERATE LAMP 3DS2
PRESS TO TEST
FRAMES REMAINING INDICATOR 3M1
PULSE TRANSFORMER NETWORK
DELAY CIRCUIT
OPERATE RELAYS 2A4K1 AND 2A4K1
RELAY DRIVER 2A3Q10
TACHOMETER NETWORK 1A3
TACH GEN 1G1
SERVO AMPLIFIER
POWER DRIVE AMPLIFIER 2A6
SCAN MOTOR 1B1
DYNAMIC BRAKING CIRCUIT
DRIVE MECHANISM
SCAN DRIVE AMPLIFIER 2A3AR1
SCAN CONTROL RELAY 2A3K1
IMC CLUTCH SOLENOID 1L1
+22 VDC
IMC MECHANISM
ADAS
ANNOTATION PULSE
CYCLE RATE
HI
LO
P/O EMI FILTER 3FL1
V/H INPUT
INTERVALOMETER NETWORK
CROSSOVER NETWORK
EXTRA PICTURE SWITCH 3S5
SOLENOID DRIVER 3A1Q4
PUCK SWITCH DRIVER NETWORK
PUCK SWITCH 1S1
MANUAL V/H
AUTOMATIC V/H
P/O EMI FILTER 3FL1
V/H SEL SWITCH 3S3
+22 VDC INTERLOCK
MODE RELAY PULSE AUTOCYCLE 2A4K3
APERTURE MECHANISM
BIAS NETWORK
LOG AMPLIFIER 2A5AR5
EXPOSURE FILM INDEX NETWORK (AE1)
AEC MOTOR 1A1B1
SLIT MECHANISM
CAMERA SEL SWITCH 3S4 FWD/VERT
V/H INHIBITING AND SCALING AMPLIFIER 2A4AR1
AUTOCYCLE .4V/CPS
PULSE .8V FIXED
PHOTOCELL 1A2
PHOTOCELL AMPLIFIER 2A5AR2
DIFFERENTIAL AMPLIFIER 2A5AR3
AEC SERVO AMPLIFIER
5 VDC DIMMER CONTROLLED
P/O EMI FILTER 3FL1
FACEPLATE LAMPS
RECORDING HEAD ASSEMBLY
FEEDBACK POTENTIOMETER 1A1R1
CRT SIGNALS

Figure 6–10. Camera, overall block diagram.

TM6720-242-35-38


ADAS
(SPARE)
J2
P/O J3
P/O P3
P1
DEFLECTING ELECTRODE - D4
ACCELERATOR
DEFLECTING ELECTRODE - D2
DEFLECTING ELECTRODE - D1
HEATER
HEATER AND CATHODE
UNBLANKING
POSITIVE DIVIDER
DEFLECTING ELECTRODE - D3
NEGATIVE DIVIDER
CONNECTS TO ADAS RECORDING HEAD ASSEMBLY
P/O P1
P/O J1
115V AC
AEC MOTOR ØA
+22V REGULATED
AEC MOTOR ØB
SIGNAL GROUND
+22V DC INTERLOCK
MOTOR RETURN (POWER GROUND)
MOTOR DRIVE
TACHOMETER (HI)
TACHOMETER (LO)
+22V DC IMC CLUTCH
IMC CLUTCH RETURN
PUCK SWITCH
CHASSIS GROUND
SHIELD GROUND
AEC SERVO MOTOR B1
MOT
R1 2K
END OF FILM SWITCH S1
NO
NC
AEC ASSEMBLY A1
P/O P3
P/O J3
P/O J1
P/O P1
AEC POT (TOP)
AEC POT (ARM)
FAIL SAFE SIGNAL
TB1
P
SCAN MOTOR B1
CR2 1N1614
TACHOMETER ASSEMBLY A3
R3 9,760 1%
R2 73.2K 1%
R1 20K
GEN
DC TACHOMETER GENERATOR G1
CR1 1N3611
IMC CLUTCH L1
PUCK SWITCH S1
R1 1,500 1%
R2 ✱ SELECT
R3 1,650 1%
PHOTOCELL (TOP)
PHOTOCELL (MID)
PHOTOCELL (LO)
AEC PHOTOCELL ASSEMBLY A2
TM6720-242-35-1

NOTES:
1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATION PREFIX A PARTIAL DESIGNATION WITH NUMERAL NO.1.
2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICOFARADS.
3. ✱ INDICATES VALUE TO BE SELECTED AT TEST.

Figure 6-11. Body, schematic diagram.

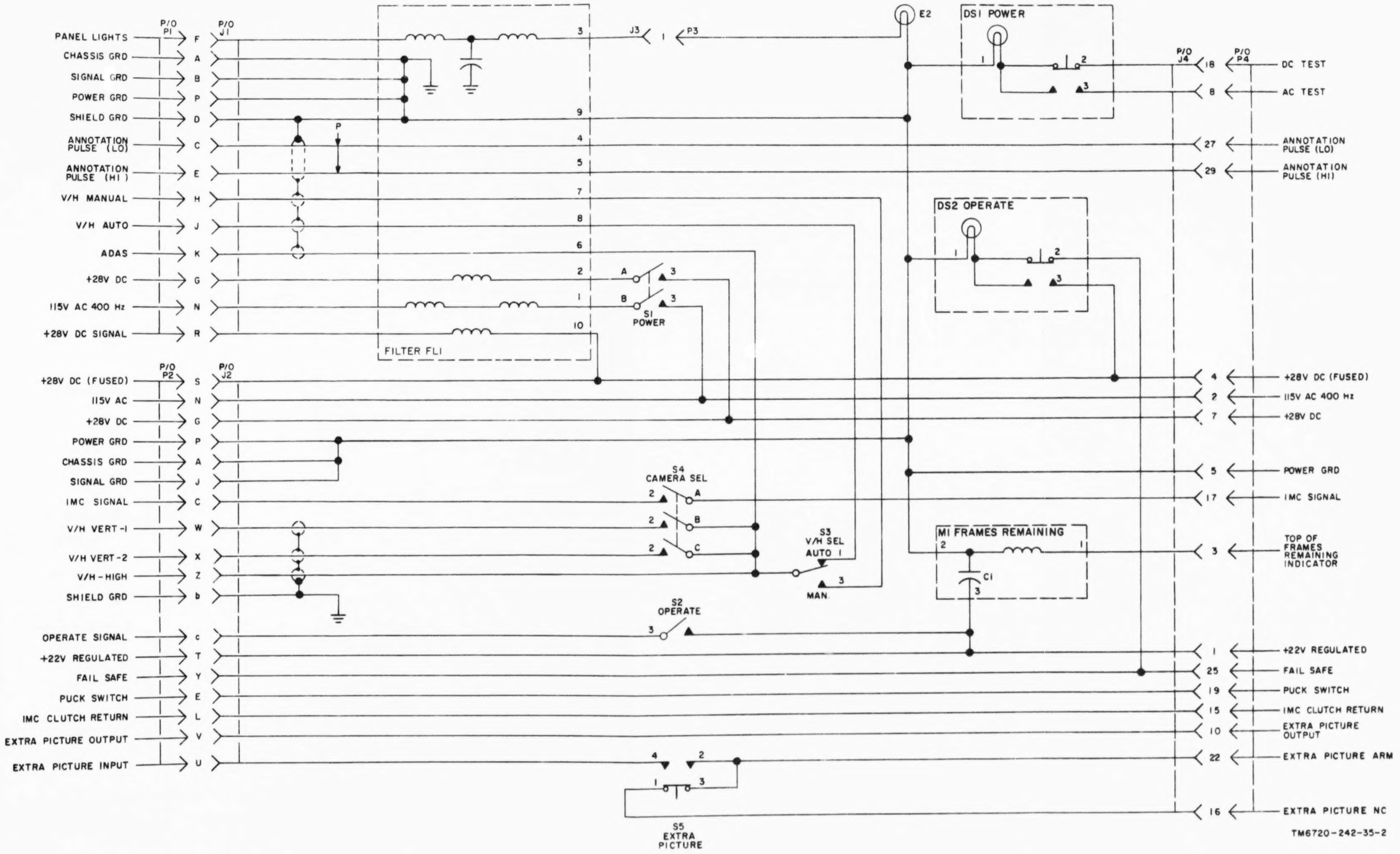
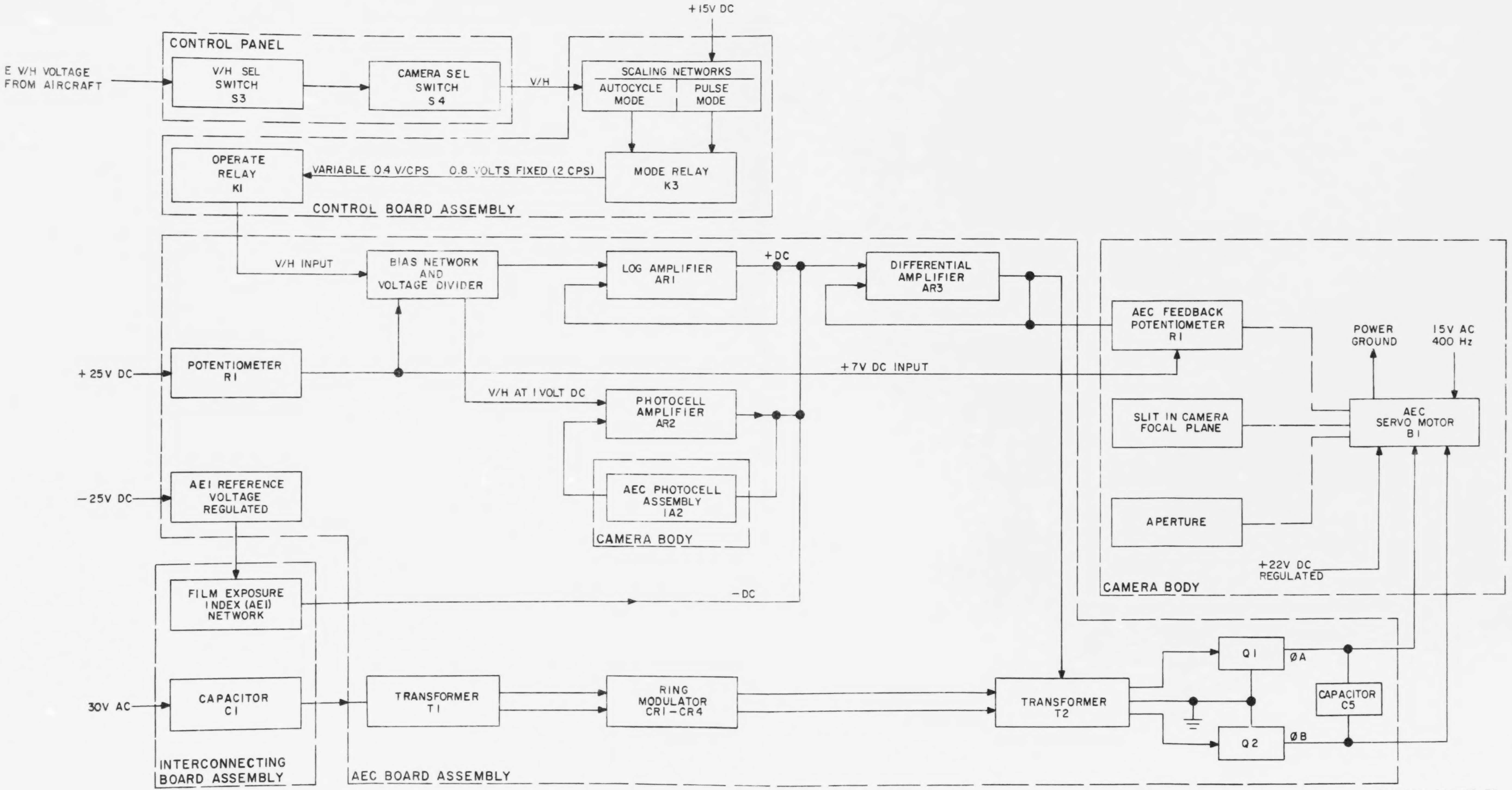
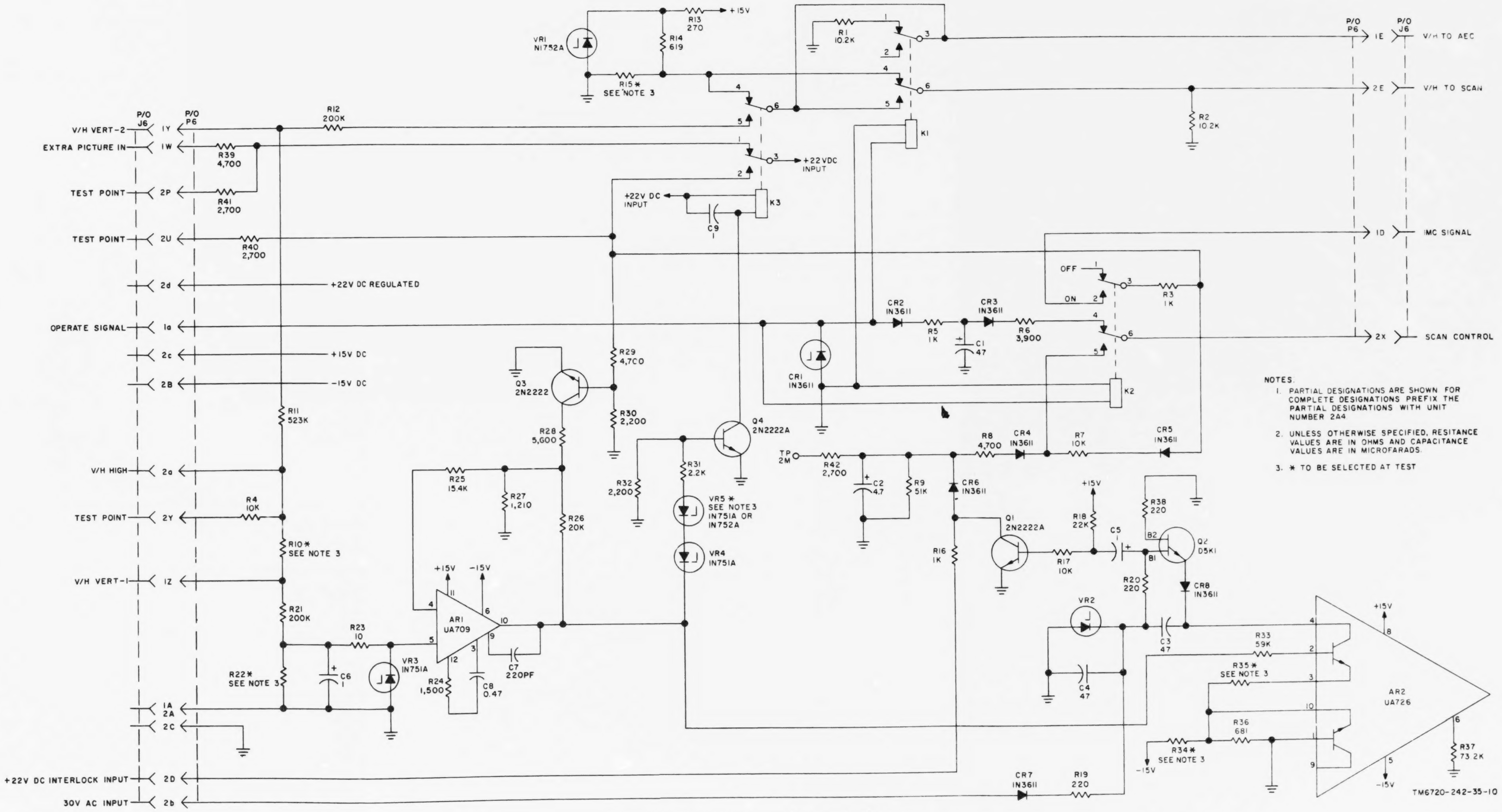

P/O P1
P/O J1
PANEL LIGHTS
CHASSIS GRD
SIGNAL GRD
POWER GRD
SHIELD GRD
ANNOTATION PULSE (LO)
ANNOTATION PULSE (HI)
V/H MANUAL
V/H AUTO
ADAS
+28V DC
115V AC 400 Hz
+28V DC SIGNAL
F
A
B
P
D
C
E
H
J
K
G
N
R
P
FILTER FL1
3
9
4
5
7
8
6
2
1
10
J3
1
P3
E2
DS1 POWER
DS2 OPERATE
A
B
S1 POWER
P/O P2
P/O J2
+28V DC (FUSED)
115V AC
+28V DC
POWER GRD
CHASSIS GRD
SIGNAL GRD
IMC SIGNAL
V/H VERT-1
V/H VERT-2
V/H-HIGH
SHIELD GRD
OPERATE SIGNAL
+22V REGULATED
FAIL SAFE
PUCK SWITCH
IMC CLUTCH RETURN
EXTRA PICTURE OUTPUT
EXTRA PICTURE INPUT
S
N
G
P
A
J
C
W
X
Z
b
c
T
Y
E
L
V
U
S4 CAMERA SEL
S3 V/H SEL
AUTO 1
MAN.
S2 OPERATE
M1 FRAMES REMAINING
C1
S5 EXTRA PICTURE
P/O J4
P/O P4
18
8
27
29
4
2
7
5
17
3
1
25
19
15
10
22
16
DC TEST
AC TEST
ANNOTATION PULSE (LO)
ANNOTATION PULSE (HI)
+28V DC (FUSED)
115V AC 400 Hz
+28V DC
POWER GRD
IMC SIGNAL
TOP OF FRAMES REMAINING INDICATOR
+22V REGULATED
FAIL SAFE
PUCK SWITCH
IMC CLUTCH RETURN
EXTRA PICTURE OUTPUT
EXTRA PICTURE ARM
EXTRA PICTURE NC
TM6720-242-35-2

Figure 6-12. Control panel, schematic diagram.


+15V DC
CONTROL PANEL
E V/H VOLTAGE FROM AIRCRAFT
V/H SEL SWITCH S3
CAMERA SEL SWITCH S4
V/H
SCALING NETWORKS
AUTOCYCLE MODE
PULSE MODE
OPERATE RELAY K1
VARIABLE 0.4 V/CPS
0.8 VOLTS FIXED (2 CPS)
MODE RELAY K3
CONTROL BOARD ASSEMBLY
V/H INPUT
BIAS NETWORK AND VOLTAGE DIVIDER
LOG AMPLIFIER AR1
+DC
DIFFERENTIAL AMPLIFIER AR3
AEC FEEDBACK POTENTIOMETER R1
POWER GROUND
15V AC 400 Hz
+25V DC
POTENTIOMETER R1
+7V DC INPUT
V/H AT 1 VOLT DC
PHOTOCELL AMPLIFIER AR2
SLIT IN CAMERA FOCAL PLANE
AEC SERVO MOTOR B1
−25V DC
AEI REFERENCE VOLTAGE REGULATED
AEC PHOTOCELL ASSEMBLY 1A2
CAMERA BODY
APERTURE
+22V DC REGULATED
CAMERA BODY
FILM EXPOSURE INDEX (AEI) NETWORK
−DC
Q1
ØA
CAPACITOR C5
30V AC
CAPACITOR C1
TRANSFORMER T1
RING MODULATOR CR1−CR4
TRANSFORMER T2
Q2
ØB
INTERCONNECTING BOARD ASSEMBLY
AEC BOARD ASSEMBLY

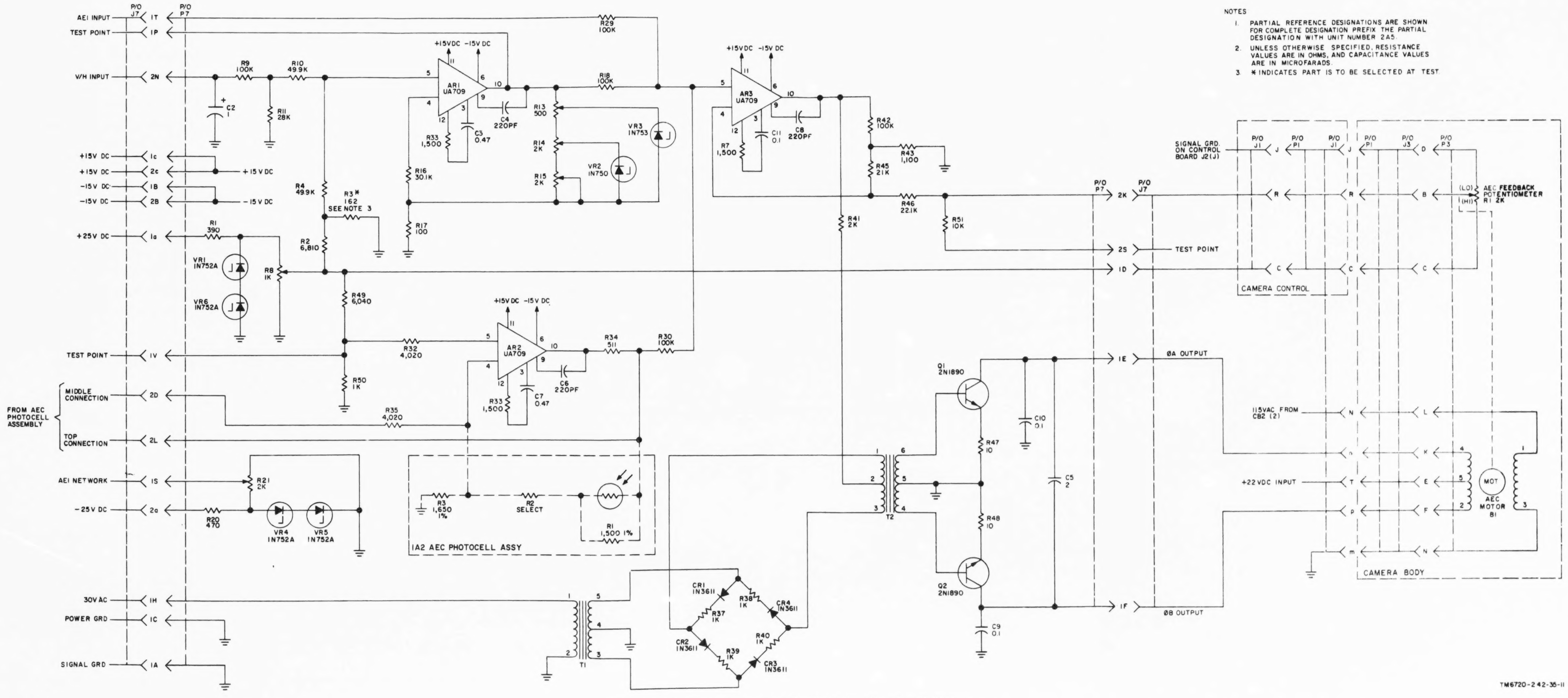
TM6720-242-35-39

Figure 6–13. Automatic exposure control (aec) board assembly, block diagram.


VR1
N1752A
R13
270
+15V
R14
619
R15 *
SEE NOTE 3
R1
10.2K
K1
K3
+22VDC
INPUT
+22V DC
INPUT
C9
1
P/O
J6
P/O
P6
V/H VERT-2
1Y
R12
200K
EXTRA PICTURE IN
1W
R39
4,700
TEST POINT
2P
R41
2,700
TEST POINT
2U
R40
2,700
2d
+22V DC REGULATED
OPERATE SIGNAL
1a
2c
+15V DC
2B
-15V DC
R11
523K
V/H HIGH
2a
TEST POINT
2Y
R4
10K
R10 *
SEE NOTE 3
V/H VERT-1
1Z
R21
200K
R22 *
SEE NOTE 3
1A
2A
2C
+22V DC INTERLOCK INPUT
2D
30V AC INPUT
2b
R23
10
C6
1
VR3
IN751A
AR1
UA709
+15V
-15V
R24
1,500
C8
0.47
C7
220PF
R25
15.4K
R27
1,210
R26
20K
R28
5,600
Q3
2N2222
R29
4,700
R30
2,200
Q4
2N2222A
R31
2.2K
R32
2,200
VR5 *
SEE NOTE 3
IN751A OR
IN752A
VR4
IN751A
CR1
IN3611
CR2
IN3611
R5
1K
C1
47
CR3
IN3611
R6
3,900
OFF
ON
R3
1K
K2
R2
10.2K
1E
V/H TO AEC
2E
V/H TO SCAN
1D
IMC SIGNAL
2X
SCAN CONTROL
TP
2M
R42
2,700
C2
4.7
R9
51K
CR6
IN3611
R8
4,700
CR4
IN3611
R7
10K
CR5
IN3611
R16
1K
Q1
2N2222A
R17
10K
R18
22K
C5
1
R38
220
Q2
D5K1
B1
B2
R20
220
CR8
IN3611
VR2
C3
47
C4
47
R33
59K
R35 *
SEE NOTE 3
R36
681
R34 *
SEE NOTE 3
-15V
AR2
UA726
R37
73.2K
CR7
IN3611
R19
220
TM6720-242-35-10

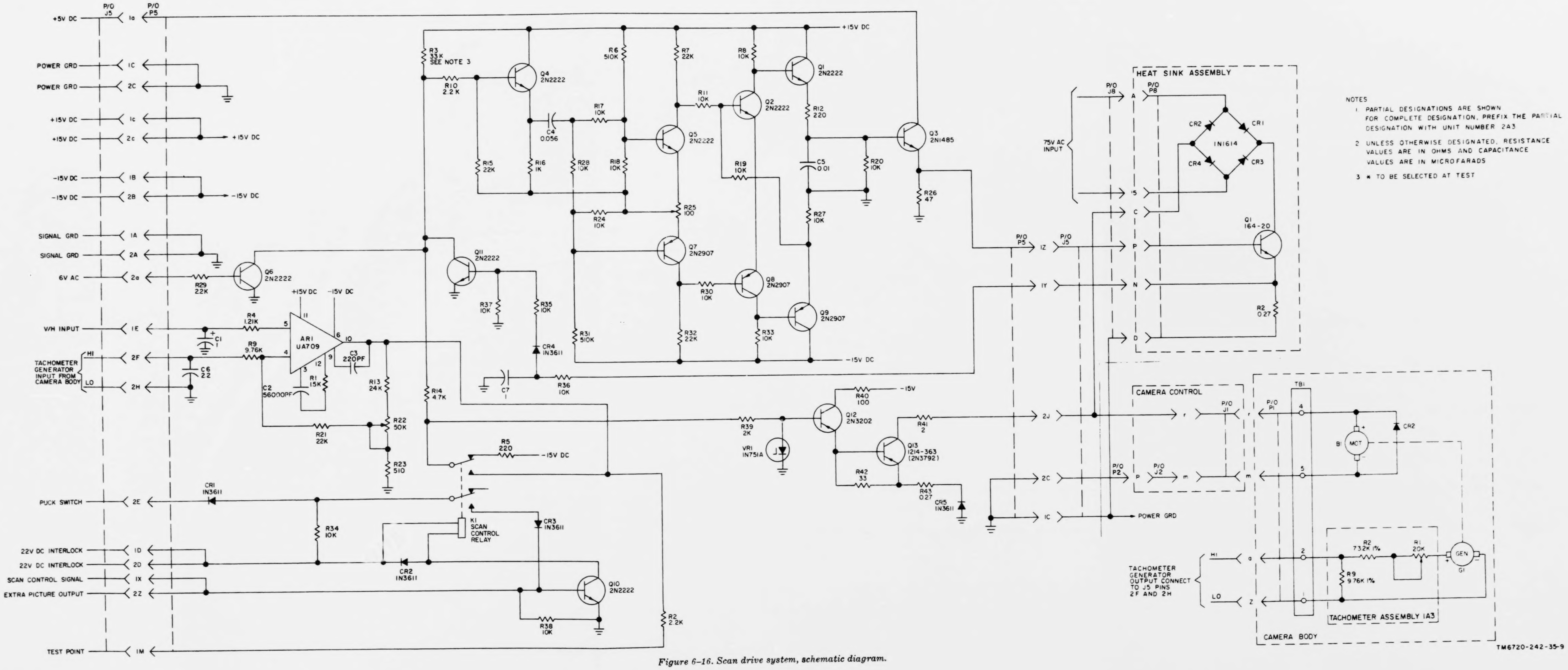
NOTES:
1. PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATIONS PREFIX THE PARTIAL DESIGNATIONS WITH UNIT NUMBER 2A4
2. UNLESS OTHERWISE SPECIFIED, RESITANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.
3. * TO BE SELECTED AT TEST

Figure 6-14. Control board assembly, schematic diagram.


AEI INPUT
TEST POINT
V/H INPUT
+15V DC
+15V DC
-15V DC
-15V DC
+25V DC
TEST POINT
FROM AEC PHOTOCELL ASSEMBLY
MIDDLE CONNECTION
TOP CONNECTION
AEI NETWORK
-25V DC
30VAC
POWER GRD
SIGNAL GRD
P/O J7
P/O P7
R9 100K
R10 49.9K
C2 1
R11 28K
+15 V DC
-15 V DC
R1 390
VR1 IN752A
VR6 IN752A
R8 1K
R4 49.9K
R3* 162 SEE NOTE 3
R2 6,810
R49 6,040
R50 1K
R32 4,020
R35 4,020
+15VDC -15VDC
AR1 UA709
R33 1,500
C3 0.47
C4 220PF
R16 301K
R17 100
R13 500
R14 2K
R15 2K
VR2 IN750
VR3 IN753
R18 100K
R29 100K
AR2 UA709
C7 0.47
C6 220PF
R34 511
R30 100K
AR3 UA709
R7 1,500
C11 0.1
C8 220PF
R42 100K
R43 1,100
R45 21K
R46 22.1K
R51 10K
R41 2K
R21 2K
R20 470
VR4 IN752A
VR5 IN752A
R3 1,650 1%
R2 SELECT
R1 1,500 1%
1A2 AEC PHOTOCELL ASSY
T1
CR1 IN3611
CR2 IN3611
CR3 IN3611
CR4 IN3611
R37 1K
R38 1K
R39 1K
R40 1K
T2
Q1 2N1890
Q2 2N1890
R47 10
R48 10
C10 0.1
C5 2
C9 0.1
2K
2S
1D
1E
1F
TEST POINT
ØA OUTPUT
ØB OUTPUT
SIGNAL GRD. ON CONTROL BOARD J2(J)
P/O J1
P/O P1
P/O J1
P/O P1
P/O J3
P/O P3
CAMERA CONTROL
CAMERA BODY
115VAC FROM CB2 (2)
+22VDC INPUT
(LO) (HI) AEC FEEDBACK POTENTIOMETER R1 2K
MOT AEC MOTOR B1
TM6720-242-35-11

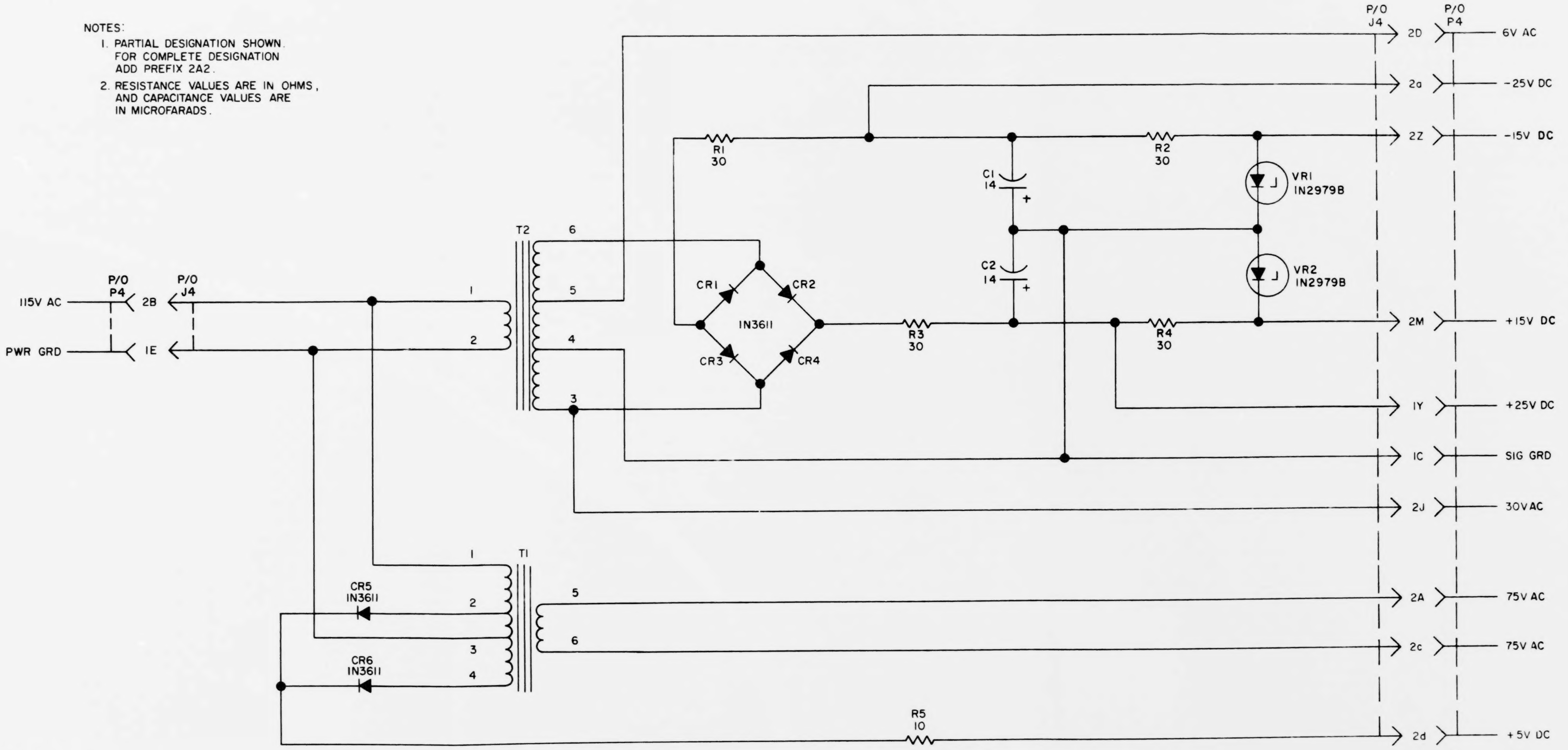
NOTES
1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 2A5.
2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS, AND CAPACITANCE VALUES ARE IN MICROFARADS.
3. * INDICATES PART IS TO BE SELECTED AT TEST.

Figure 6-15. Automatic exposure control (aec) board assembly, schematic diagram.


+5V DC
POWER GRD
POWER GRD
+15V DC
+15V DC
-15V DC
-15V DC
SIGNAL GRD
SIGNAL GRD
6V AC
V/H INPUT
TACHOMETER GENERATOR INPUT FROM CAMERA BODY
HI
LO
PUCK SWITCH
22V DC INTERLOCK
22V DC INTERLOCK
SCAN CONTROL SIGNAL
EXTRA PICTURE OUTPUT
TEST POINT
P/O J5
P/O P5
1a
1C
2C
1c
2c
1B
2B
1A
2A
2a
1E
2F
2H
2E
1D
2D
1X
2Z
1M
+15V DC
-15V DC
R29 2.2K
Q6 2N2222
R4 1.21K
R9 9.76K
C1 1
C6 2.2
AR1 UA709
+15V DC
-15V DC
C2 56000PF
R1 1.5K
C3 220PF
R21 22K
R13 24K
R22 50K
R23 510
CR1 1N3611
R34 10K
CR2 1N3611
K1 SCAN CONTROL RELAY
CR3 1N3611
Q10 2N2222
R38 10K
R2 2.2K
R5 220
-15V DC
R14 4.7K
R3 33K SEE NOTE 3
R10 2.2K
Q4 2N2222
C4 0.056
R17 10K
R15 22K
R16 1K
R28 10K
R18 10K
R6 510K
R24 10K
R31 510K
Q11 2N2222
R37 10K
R35 10K
CR4 1N3611
C7 1
R36 10K
R7 22K
Q5 2N2222
R25 100
Q7 2N2907
R30 10K
R32 22K
R11 10K
R8 10K
Q2 2N2222
Q1 2N2222
R19 10K
R12 220
C5 0.01
R27 10K
Q8 2N2907
R33 10K
Q9 2N2907
R20 10K
Q3 2N1485
R26 47
+15V DC
-15V DC
R39 2K
VR1 1N751A
Q12 2N3202
R40 100
-15V
R41 2
Q13 1214-363 (2N3792)
R42 33
R43 0.27
CR5 1N3611
P/O P5
P/O J5
1Z
1Y
2J
2C
1C
POWER GRD
75V AC INPUT
P/O J8
HEAT SINK ASSEMBLY
P/O P8
A
15
C
P
N
D
CR2
CR1
1N1614
CR4
CR3
Q1 164-20
R2 0.27
CAMERA CONTROL
P/O J1
P/O P2
P/O J2
r
p
m
P/O P1
TB1
4
5
2
1
B1
MOT
CR2
GEN
G1
R2 73.2K 1%
R1 20K
R9 9.76K 1%
a
z
TACHOMETER GENERATOR OUTPUT CONNECT TO J5 PINS 2F AND 2H
TACHOMETER ASSEMBLY 1A3
CAMERA BODY
TM6720-242-35-9

NOTES
1 PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 2A3
2 UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS
3 * TO BE SELECTED AT TEST

Figure 6-16. Scan drive system, schematic diagram.


115V AC
PWR GRD
P/O P4
P/O J4
2B
1E
T2
1
2
6
5
4
3
CR1
CR2
CR3
CR4
1N3611
R1 30
R2 30
R3 30
R4 30
C1 14
C2 14
+
VR1 1N2979B
VR2 1N2979B
T1
CR5 1N3611
CR6 1N3611
R5 10
P/O J4
P/O P4
2D
2a
2Z
2M
1Y
1C
2J
2A
2c
2d
6V AC
-25V DC
-15V DC
+15V DC
+25V DC
SIG GRD
30V AC
75V AC
75V AC
+5V DC

NOTES:
1. PARTIAL DESIGNATION SHOWN. FOR COMPLETE DESIGNATION ADD PREFIX 2A2.
2. RESISTANCE VALUES ARE IN OHMS, AND CAPACITANCE VALUES ARE IN MICROFARADS.

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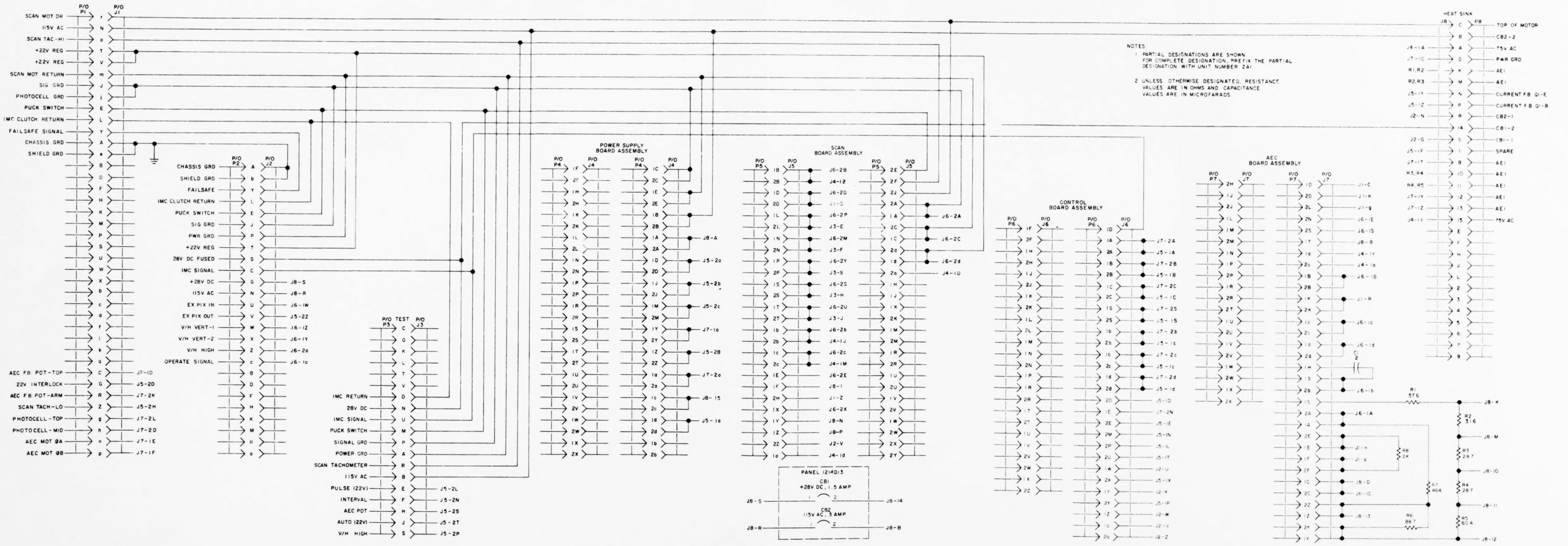
Figure 6–17. Power supply, schematic diagram.


P/O P1
P/O J1
SCAN MOT DR
115V AC
SCAN TAC-HI
+22V REG
+22V REG
SCAN MOT RETURN
SIG GRD
PHOTOCELL GRD
PUCK SWITCH
IMC CLUTCH RETURN
FAILSAFE SIGNAL
CHASSIS GRD
SHIELD GRD
AEC FB POT-TOP
22V INTERLOCK
AEC FB POT-ARM
SCAN TACH-LO
PHOTOCELL-TOP
PHOTOCELL-MID
AEC MOT ØA
AEC MOT ØB
P/O P2
P/O J2
CHASSIS GRD
SHIELD GRD
FAILSAFE
IMC CLUTCH RETURN
PUCK SWITCH
SIG GRD
PWR GRD
+22V REG
28V DC FUSED
IMC SIGNAL
+28V DC
115V AC
EX PIX IN
EX PIX OUT
V/H VERT-1
V/H VERT-2
V/H HIGH
OPERATE SIGNAL
P/O P3
TEST
P/O J3
IMC RETURN
28V DC
IMC SIGNAL
PUCK SWITCH
SIGNAL GRD
POWER GRD
SCAN TACHOMETER
115V AC
PULSE (22V)
INTERVAL
AEC POT
AUTO (22V)
V/H HIGH
POWER SUPPLY BOARD ASSEMBLY
P/O P4
P/O J4
SCAN BOARD ASSEMBLY
P/O P5
P/O J5
PANEL 1214D13
CB1 +28V DC, 1.5 AMP
CB2 115V AC, 3 AMP
J8-S
J8-14
J8-R
J8-B
CONTROL BOARD ASSEMBLY
P/O P6
P/O J6
AEC BOARD ASSEMBLY
P/O P7
P/O J7
C1 2
R1 57.6
R2 3.16
R3 2.87
R4 2.87
R5 60.4
R6 88.7
R7 464
R8 2K
HEAT SINK
J8
P8
TOP OF MOTOR
CB2-2
75V AC
PWR GRD
AE1
AE1
CURRENT FB Q1-E
CURRENT FB Q1-B
CB2-1
CB1-2
CB1-1
SPARE
AE1
AE1
AE1
AE1
AE1
75V AC

NOTES
1. PARTIAL DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 2A1.
2. UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.

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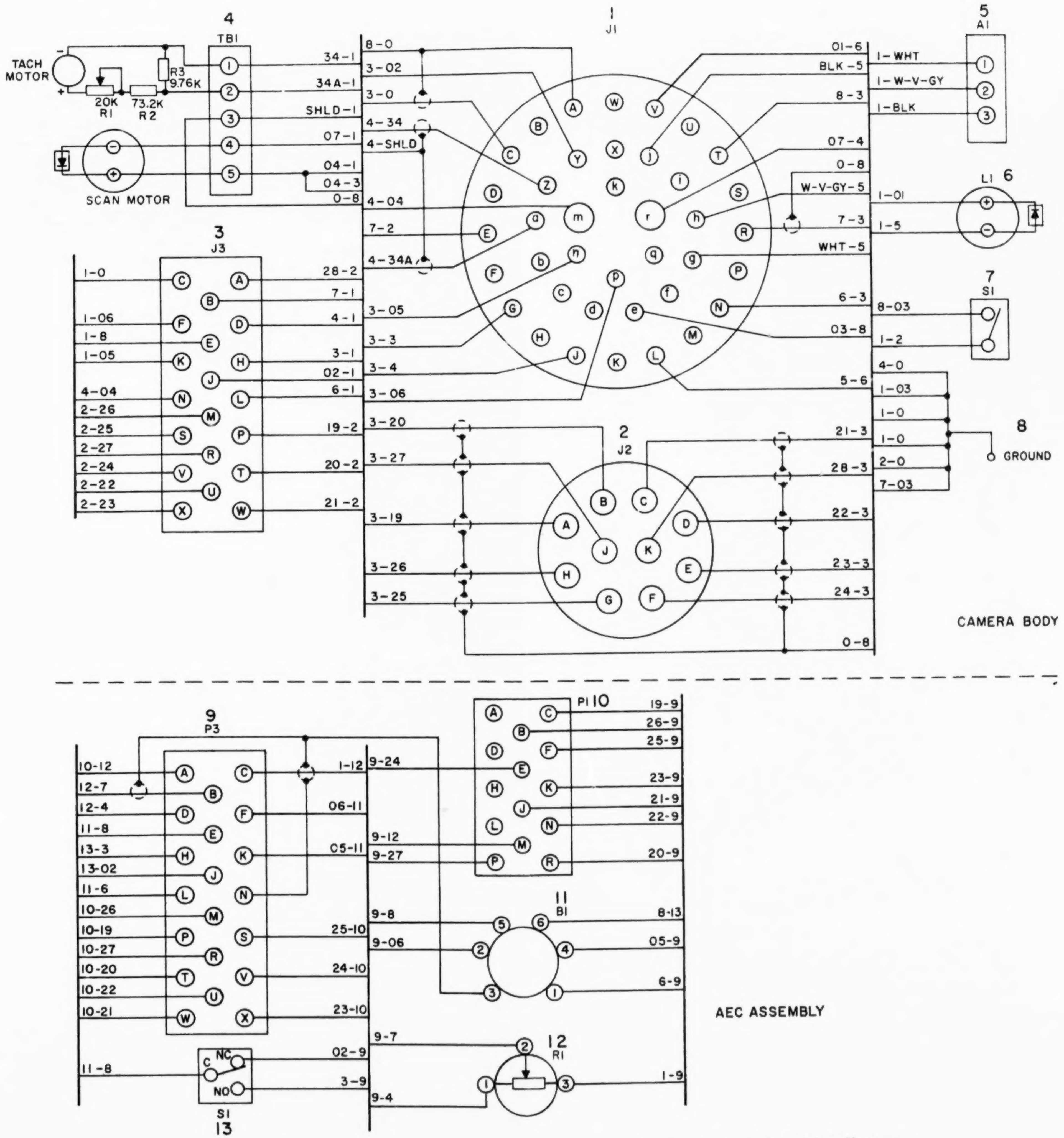
Figure 6-18. Panel and interconnecting board, schematic diagram.


TACH MOTOR
20K R1
73.2K R2
R3 9.76K
SCAN MOTOR
4
TB1
1
J1
5
A1
1-WHT
1-W-V-GY
1-BLK
34-1
34A-1
SHLD-1
07-1
04-1
04-3
0-8
8-0
3-02
3-0
4-34
4-SHLD
4-04
7-2
4-34A
01-6
BLK-5
8-3
07-4
0-8
W-V-GY-5
7-3
WHT-5
6-3
03-8
5-6
L1
6
1-01
1-5
7
S1
8-03
1-2
4-0
1-03
1-0
1-0
2-0
7-03
8
GROUND
3
J3
1-0
1-06
1-8
1-05
4-04
2-26
2-25
2-27
2-24
2-22
2-23
28-2
7-1
4-1
3-1
02-1
6-1
19-2
20-2
21-2
3-05
3-3
3-4
3-06
3-20
3-27
3-19
3-26
3-25
2
J2
21-3
28-3
22-3
23-3
24-3
0-8
CAMERA BODY
9
P3
10-12
12-7
12-4
11-8
13-3
13-02
11-6
10-26
10-19
10-27
10-20
10-22
10-21
11-8
1-12
06-11
05-11
25-10
24-10
23-10
02-9
3-9
9-24
9-12
9-27
9-8
9-06
9-7
9-4
P1 10
19-9
26-9
25-9
23-9
21-9
22-9
20-9
11
B1
8-13
05-9
6-9
12
R1
1-9
NC
C
NO
S1
13
AEC ASSEMBLY

NOTES:

1. THE FIRST NUMBER ON EACH WIRE (ADJACENT TO THE BASE LINE) CORRESPONDS TO THE LARGE NUMBER ADJACENT TO THE STATION TO WHICH THE WIRE RUNS. THE SECOND NUMBER ON EACH WIRE IS THE WIRE IDENTIFICATION NUMBER.
2. ALL WIRES, UNLESS OTHERWISE SHOWN, ARE WHITE, 22 GAGE.
3. UNIDENTIFIED WIRES ARE SHORT JUMPERS.

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Figure 6-19. Body, wiring diagram.

NOTES:

1. THE FIRST NUMBER ON EACH WIRE (ADJACENT TO THE BASELINE) CORRESPONDS TO THE LARGE NUMBER ADJACENT TO THE STATION TO WHICH THE WIRE RUNS. THE SECOND NUMBER ON EACH WIRE IS THE WIRE IDENTIFICATION NUMBER.
2. THIS ASSEMBLY CONSISTS OF CONNECTORS AND COMPONENTS HARD WIRED TO THE PRINTED CIRCUIT BOARD. THE WIRE IDENTIFICATION NUMBERS ARE ARBITRARILY ASSIGNED TO THE VARIOUS CONDUCTORS.

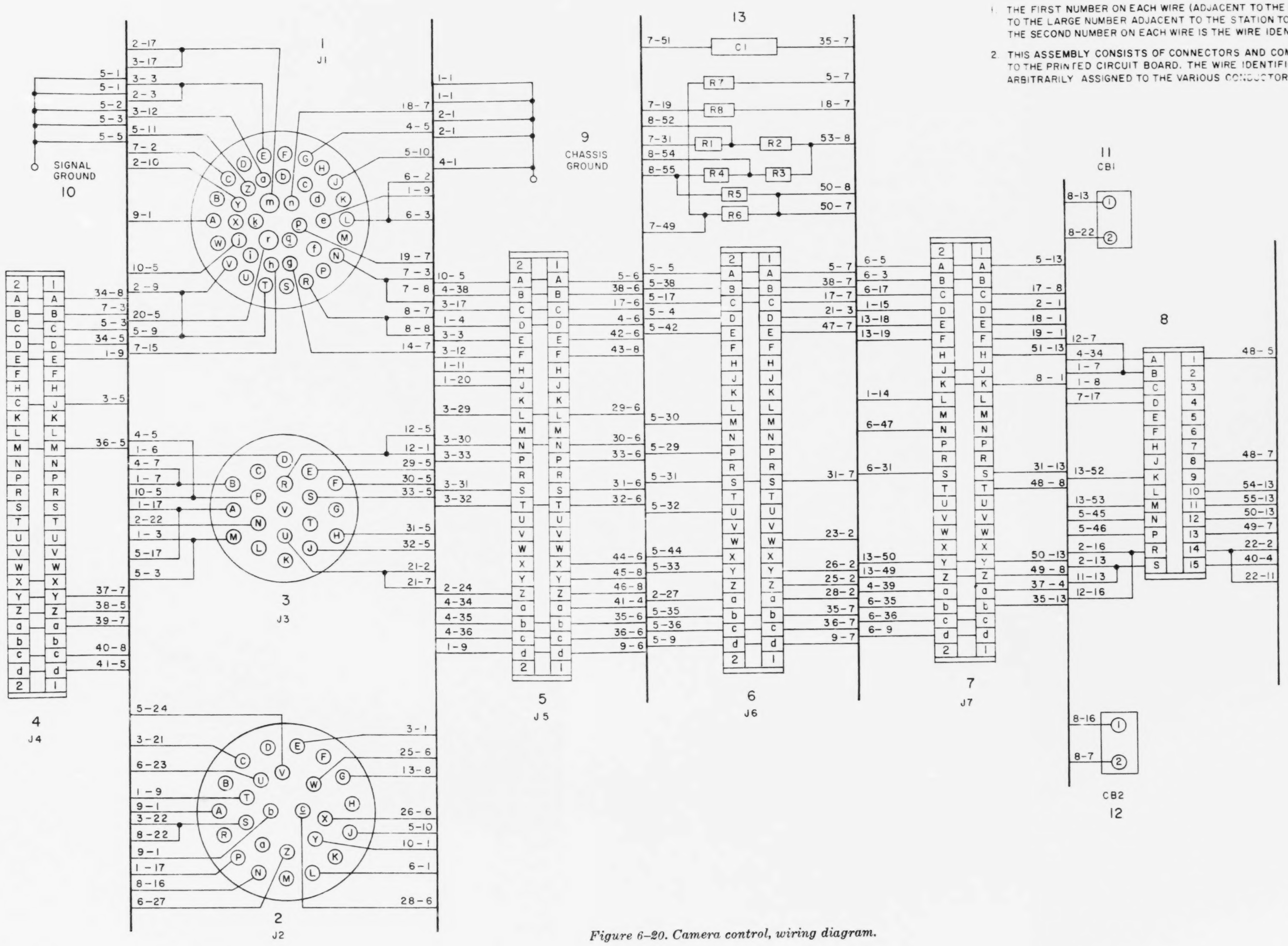
1
J1
2
J2
3
J3
4
J4
5
J5
6
J6
7
J7
8
9
CHASSIS GROUND
SIGNAL GROUND
10
11
CB1
CB2
12
13
C1
R1
R2
R3
R4
R5
R6
R7
R8

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Figure 6-20. Camera control, wiring diagram.

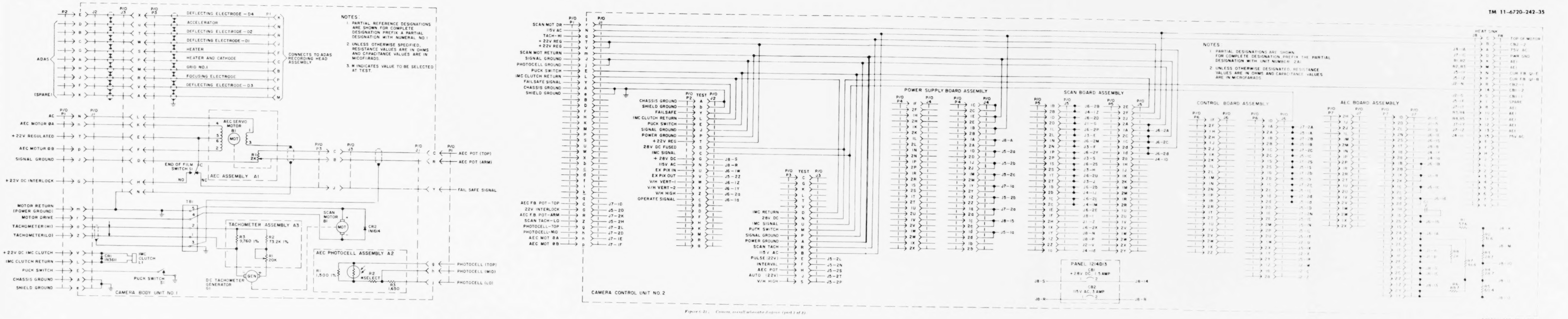
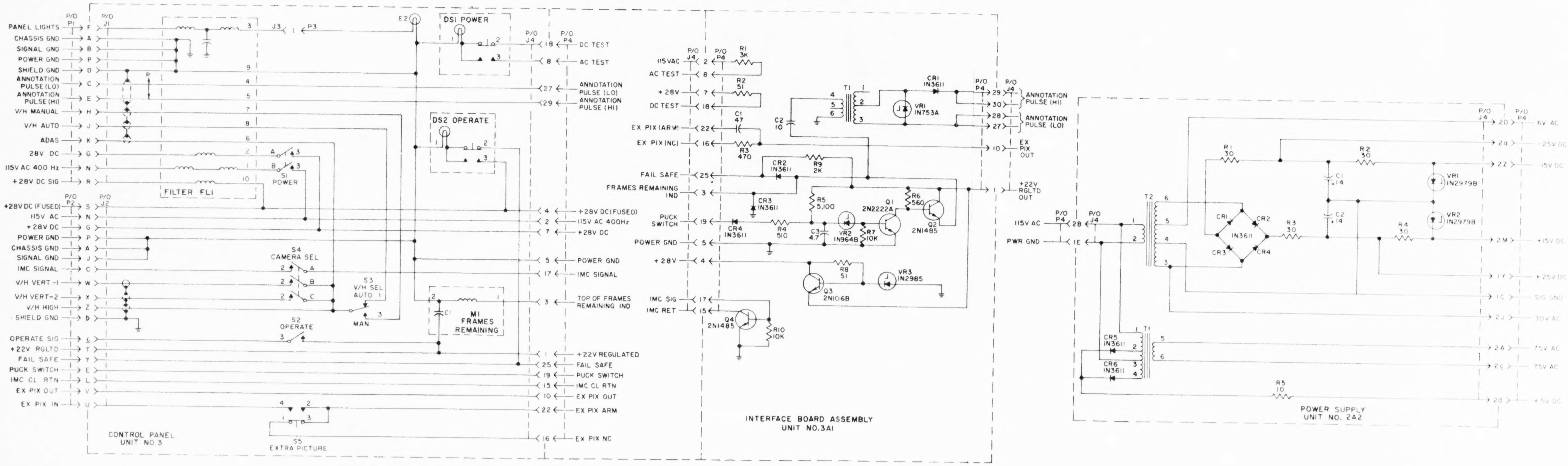

NOTES:
1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION PREFIX A PARTIAL DESIGNATION WITH NUMERAL NO 1
2. UNLESS OTHERWISE SPECIFIED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICOFARADS.
3. # INDICATES VALUE TO BE SELECTED AT TEST.
CONNECTS TO ADAS RECORDING HEAD ASSEMBLY
ADAS
(SPARE)
DEFLECTING ELECTRODE - D4
ACCELERATOR
DEFLECTING ELECTRODE - D2
DEFLECTING ELECTRODE - D1
HEATER
HEATER AND CATHODE
GRID NO.1
FOCUSING ELECTRODE
DEFLECTING ELECTRODE - D3
AEC SERVO MOTOR B1
AEC ASSEMBLY A1
END OF FILM SWITCH S1
TACHOMETER ASSEMBLY A3
SCAN MOTOR B1
AEC PHOTOCELL ASSEMBLY A2
DC TACHOMETER GENERATOR G1
IMC CLUTCH L1
PUCK SWITCH S1
AEC POT (TOP)
AEC POT (ARM)
FAIL SAFE SIGNAL
PHOTOCELL (TOP)
PHOTOCELL (MID)
PHOTOCELL (LO)
CAMERA BODY UNIT NO.1
NOTES
1. PARTIAL DESIGNATIONS ARE SHOWN FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH UNIT NUMBER 2A1
2. UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS
POWER SUPPLY BOARD ASSEMBLY
SCAN BOARD ASSEMBLY
CONTROL BOARD ASSEMBLY
AEC BOARD ASSEMBLY
HEAT SINK
PANEL 1214D13
CB1 +28V DC, 1.5 AMP
CB2 115V AC, 3 AMP
CAMERA CONTROL UNIT NO.2
TM6720-242-35-3 (1)

Figure 6-21. Camera, overall schematic diagram (part 1 of 3)


PANEL LIGHTS
CHASSIS GND
SIGNAL GND
POWER GND
SHIELD GND
ANNOTATION PULSE (LO)
ANNOTATION PULSE (HI)
V/H MANUAL
V/H AUTO
ADAS
28V DC
115V AC 400 Hz
+28V DC SIG
+28V DC (FUSED)
115V AC
+28V DC
POWER GND
CHASSIS GND
SIGNAL GND
IMC SIGNAL
V/H VERT-1
V/H VERT-2
V/H HIGH
SHIELD GND
OPERATE SIG
+22V RGLTD
FAIL SAFE
PUCK SWITCH
IMC CL RTN
EX PIX OUT
EX PIX IN
P/O P1
P/O J1
P/O P2
P/O J2
FILTER FL1
S1 POWER
E2
DS1 POWER
DS2 OPERATE
S4 CAMERA SEL
S3 V/H SEL AUTO
MAN
S2 OPERATE
M1 FRAMES REMAINING
C1
S5 EXTRA PICTURE
CONTROL PANEL UNIT NO.3
P/O J4
P/O P4
DC TEST
AC TEST
ANNOTATION PULSE (LO)
ANNOTATION PULSE (HI)
+28V DC (FUSED)
115V AC 400Hz
+28V DC
POWER GND
IMC SIGNAL
TOP OF FRAMES REMAINING IND
+22V REGULATED
FAIL SAFE
PUCK SWITCH
IMC CL RTN
EX PIX OUT
EX PIX ARM
EX PIX NC
115VAC
AC TEST
+28V
DC TEST
EX PIX (ARM)
EX PIX (NC)
FAIL SAFE
FRAMES REMAINING IND
PUCK SWITCH
POWER GND
+28V
IMC SIG
IMC RET
R1 3K
R2 51
C1 47
C2 10
R3 470
T1
CR1 1N3611
VR1 1N753A
CR2 1N3611
R9 2K
CR3 1N3611
R5 5,100
Q1 2N2222A
R6 560
Q2 2N1485
CR4 1N3611
R4 510
C3 47
VR2 1N964B
R7 10K
R8 51
VR3 1N2985
Q3 2N1016B
Q4 2N1485
R10 10K
INTERFACE BOARD ASSEMBLY UNIT NO.3A1
ANNOTATION PULSE (HI)
ANNOTATION PULSE (LO)
EX PIX OUT
+22V RGLTD OUT
115V AC
PWR GND
T2
CR1
CR2
1N3611
CR3
CR4
R1 30
R2 30
R3 30
R4 30
C1 14
C2 14
VR1 1N2979B
VR2 1N2979B
T1
CR5 1N3611
CR6 1N3611
R5 10
6V AC
-25V DC
-15V DC
+15V DC
+25V DC
SIG GND
30V AC
75V AC
75V AC
+5V DC
POWER SUPPLY UNIT NO. 2A2

NOTES:

1. PARTIAL DESIGNATIONS ARE SHOWN. FOR COMPLETE DESIGNATION, PREFIX THE PARTIAL DESIGNATION WITH THE APPROPRIATE UNIT NUMBER.
2. UNLESS OTHERWISE DESIGNATED, RESISTANCE VALUES ARE IN OHMS AND CAPACITANCE VALUES ARE IN MICROFARADS.

Figure 6-81. Camera, overall schematic diagram (part 2 of 3).

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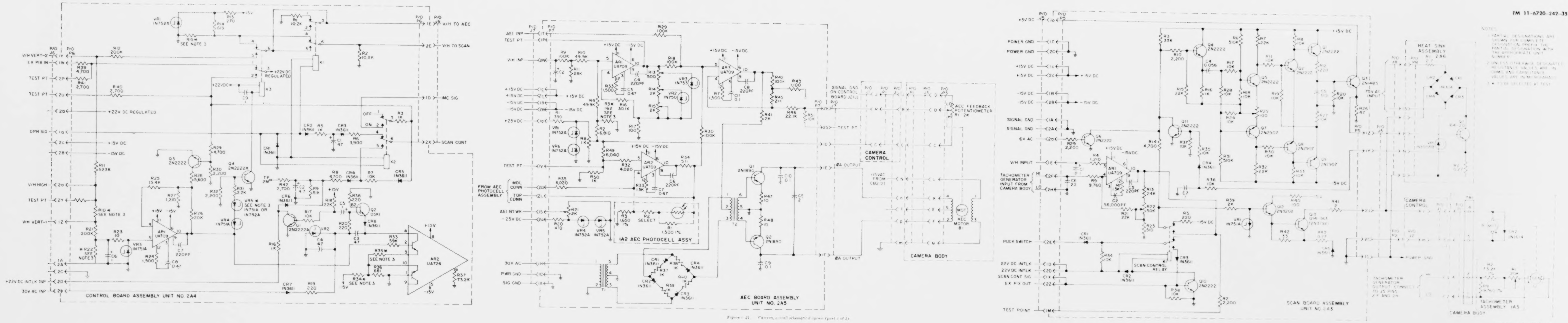
CONTROL BOARD ASSEMBLY UNIT NO 2A4
AEC BOARD ASSEMBLY UNIT NO. 2A5
1A2 AEC PHOTOCELL ASSY
CAMERA CONTROL
CAMERA BODY
SCAN BOARD ASSEMBLY UNIT NO. 2A3
HEAT SINK ASSEMBLY
TACHOMETER ASSEMBLY 1A3
NOTES

Figure 6-21. Camera, overall schematic diagram (part 1 of 2)

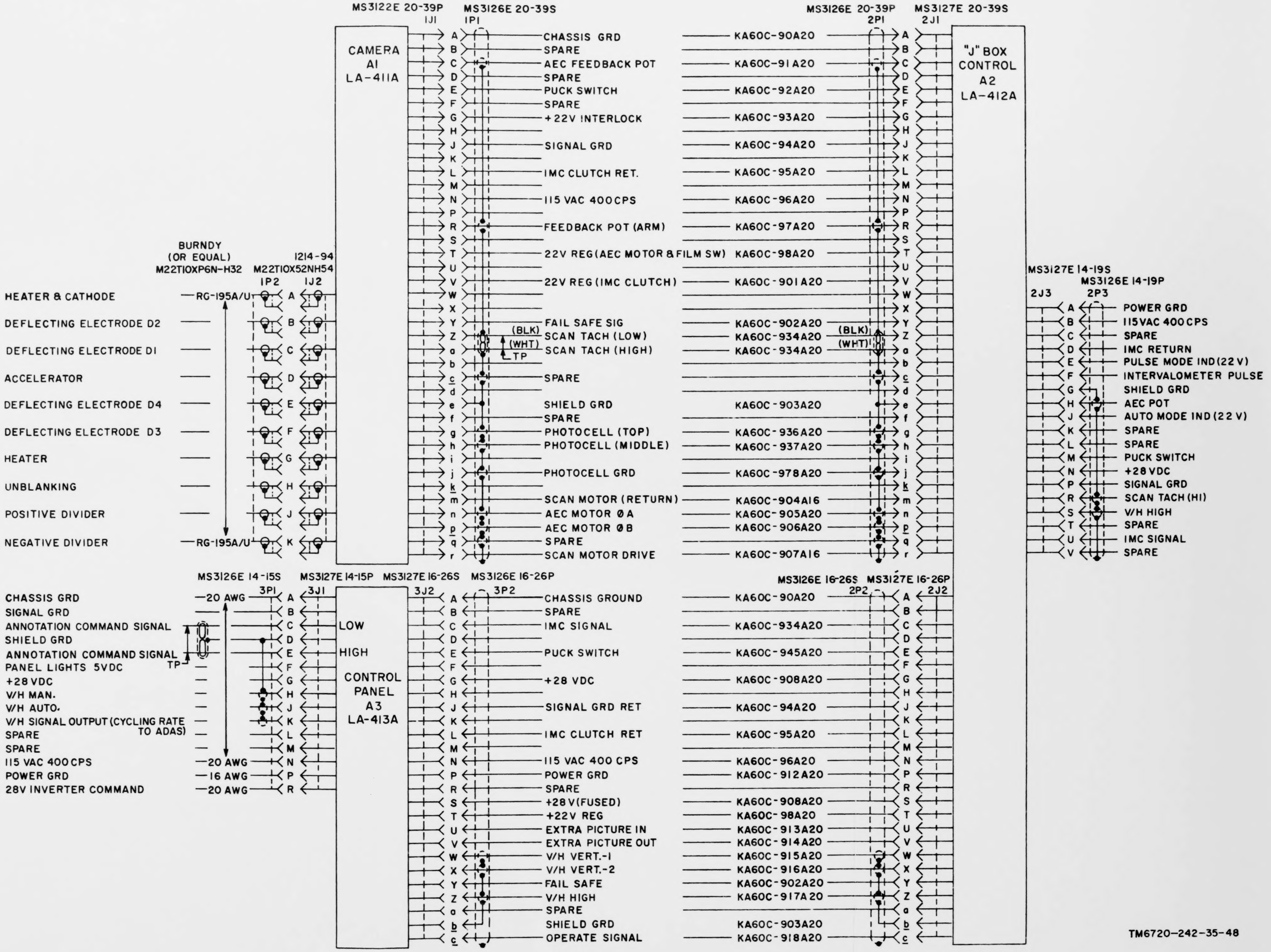
MS3122E 20-39P
1J1
MS3126E 20-39S
1P1
CAMERA
A1
LA-411A
CHASSIS GRD
SPARE
AEC FEEDBACK POT
SPARE
PUCK SWITCH
SPARE
+22V INTERLOCK
SIGNAL GRD
IMC CLUTCH RET.
115 VAC 400CPS
FEEDBACK POT (ARM)
22V REG (AEC MOTOR & FILM SW)
22V REG (IMC CLUTCH)
FAIL SAFE SIG
(BLK)
SCAN TACH (LOW)
(WHT)
SCAN TACH (HIGH)
TP
SPARE
SHIELD GRD
SPARE
PHOTOCELL (TOP)
PHOTOCELL (MIDDLE)
PHOTOCELL GRD
SCAN MOTOR (RETURN)
AEC MOTOR ØA
AEC MOTOR ØB
SPARE
SCAN MOTOR DRIVE
KA60C-90A20
KA60C-91A20
KA60C-92A20
KA60C-93A20
KA60C-94A20
KA60C-95A20
KA60C-96A20
KA60C-97A20
KA60C-98A20
KA60C-901A20
KA60C-902A20
KA60C-934A20
KA60C-934A20
KA60C-903A20
KA60C-936A20
KA60C-937A20
KA60C-978A20
KA60C-904A16
KA60C-905A20
KA60C-906A20
KA60C-907A16
MS3126E 20-39P
2P1
MS3127E 20-39S
2J1
"J" BOX
CONTROL
A2
LA-412A
BURNDY
(OR EQUAL)
M22T10XP6N-H32
1214-94
M22T10X52NH54
1P2
1J2
HEATER & CATHODE
RG-195A/U
DEFLECTING ELECTRODE D2
DEFLECTING ELECTRODE D1
ACCELERATOR
DEFLECTING ELECTRODE D4
DEFLECTING ELECTRODE D3
HEATER
UNBLANKING
POSITIVE DIVIDER
NEGATIVE DIVIDER
RG-195A/U
MS3127E 14-19S
MS3126E 14-19P
2J3
2P3
POWER GRD
115VAC 400CPS
SPARE
IMC RETURN
PULSE MODE IND (22 V)
INTERVALOMETER PULSE
SHIELD GRD
AEC POT
AUTO MODE IND (22 V)
SPARE
SPARE
PUCK SWITCH
+28 VDC
SIGNAL GRD
SCAN TACH (HI)
V/H HIGH
SPARE
IMC SIGNAL
SPARE
MS3126E 14-15S
3P1
MS3127E 14-15P
3J1
MS3127E 16-26S
3J2
MS3126E 16-26P
3P2
CHASSIS GRD
SIGNAL GRD
ANNOTATION COMMAND SIGNAL
SHIELD GRD
ANNOTATION COMMAND SIGNAL
PANEL LIGHTS 5VDC
TP
+28 VDC
V/H MAN.
V/H AUTO.
V/H SIGNAL OUTPUT (CYCLING RATE TO ADAS)
SPARE
SPARE
115 VAC 400 CPS
POWER GRD
28V INVERTER COMMAND
20 AWG
20 AWG
16 AWG
20 AWG
LOW
HIGH
CONTROL
PANEL
A3
LA-413A
CHASSIS GROUND
SPARE
IMC SIGNAL
PUCK SWITCH
+28 VDC
SIGNAL GRD RET
IMC CLUTCH RET
115 VAC 400 CPS
POWER GRD
SPARE
+28 V (FUSED)
+22V REG
EXTRA PICTURE IN
EXTRA PICTURE OUT
V/H VERT.-1
V/H VERT.-2
FAIL SAFE
V/H HIGH
SPARE
SHIELD GRD
OPERATE SIGNAL
KA60C-90A20
KA60C-934A20
KA60C-945A20
KA60C-908A20
KA60C-94A20
KA60C-95A20
KA60C-96A20
KA60C-912A20
KA60C-908A20
KA60C-98A20
KA60C-913A20
KA60C-914A20
KA60C-915A20
KA60C-916A20
KA60C-902A20
KA60C-917A20
KA60C-903A20
KA60C-918A20
MS3126E 16-26S
2P2
MS3127E 16-26P
2J2

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Figure 6–36. Camera, cabling diagram.